Contents

Getting started 3
Make and receive the first call.

Getting to know your phone 6
Key functions, quick keys, entering letters.

Personalizing your phone 15
Choose ring signal, theme and other settings.

Calling 23
Use the phone book, voice control, call options.

Setting up mobile Internet 41
Set up WAP, e-mail and *Bluetooth* wireless technology.

Messaging 48
E-mail and text messages.

Using mobile Internet 53
WAP browser, bookmarks.

Transferring and exchanging information 56
Bluetooth wireless technology, synchronization.

More features 62
Calendar, alarm clock, stopwatch, timer, games.

Security 69
SIM card lock, phone lock.

Troubleshooting 70
Why doesn't the phone work the way I want?

Additional information 72
Safe and efficient use, warranty, declaration of conformity.

Icons 81
What do the icons mean?

Index 85

Ericsson Mobile Communications AB
Not for Commercial Use

Ericsson T68m
First edition (October 2001)
This manual is published by Ericsson Mobile Communications AB, without any warranty. Improvements and changes to this manual necessitated by typographical errors, inaccuracies of current information, or improvements to programs and/or equipment, may be made by Ericsson Mobile Communications AB at any time and without notice. Such changes will, however, be incorporated into new editions of this manual.

All rights reserved.
©Ericsson Mobile Communications AB, 2001
Publication number: EN/LZT 108 4788 R1A
INNOVATRON PATENTS

Please note:
Some of the services in this manual are not supported by all networks. *This also applies to the GSM International Emergency Number 112*.

Please contact your network operator or service provider if you are in doubt whether you can use a particular service or not.

Please read the *Guidelines for safe and efficient use* and the *Limited warranty* chapters before you use your mobile phone.

BLUETOOTH is a trademark owned by the Bluetooth SIG, Inc.

T9™ Text Input is a registered trademark of Tegic Communications.

T9™ Text Input is licensed under one or more of the following: U.S. Pat. Nos. 5,818,437, 5,953,541, 5,187,480, 5,945,928, and 6,011,554; Canadian Pat. No. 1,331,057, United Kingdom Pat. No. 2238414B; Hong Kong Standard Pat. No. HK0940329; Republic of Singapore Pat. No. 51383; Euro.Pat. No. 0 842 463(96927260.8) DE/DK, FI, FR, IT, NL, PT, ES, SE, GB; and additional patents are pending worldwide.

Print for Commercial Use
Ericsson Mobile Communications AB

Getting started

About this user's guide

For ease of reference, the "Getting to know your phone" chapter gives a quick overview of the main functions of the phone, shortcuts and general information.

Available services

Some services and functions described in this user's guide are network- or subscription-dependent. Because of this, all menus may not be available in your phone.

This symbol indicates that a service or function is network- or subscription-dependent.

Please consult your network operator for more information about your subscription.

The SIM card

When you register as a subscriber with a network operator, you get a SIM (Subscriber Identity Module) card. The SIM card contains a computer chip that keeps track of your phone number, the services included in your subscription, and your phone book information, among other things.

Assembly

Before you can use your phone you need to:

- insert the SIM card.
- attach and charge the battery. See "SIM card and battery information" on page 4.

Note: *Always turn off the phone and detach the charger before you insert or remove a SIM card.*

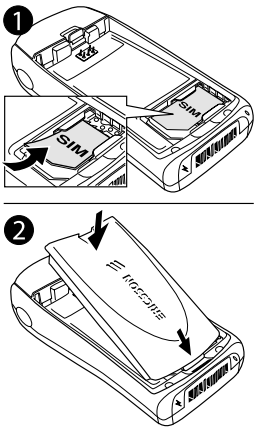
Not for Commercial Use
Ericsson Mobile Communications AB

SIM card and battery information

It may take up to 30 minutes before an icon appears in the display when charging.

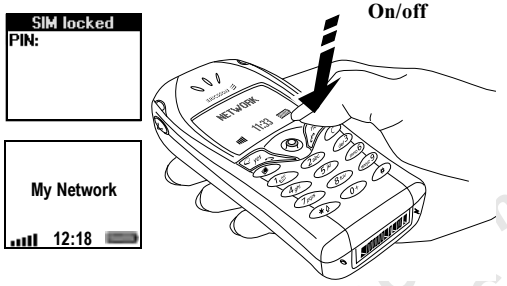
1. Insert the SIM card. Make sure the SIM card is placed under the silvery holders.
2. Place the battery on the back of the phone and push until you hear a click.
3. Connect the charger to the phone at the flash symbol. The flash symbol on the charger plug must face upwards.
4. It may take up to 30 minutes before the battery charging icon appears in the display.
5. Wait approximately 4 hours or until the icon indicates that the battery is fully charged.
6. Remove the charger by tilting the plug upwards.

You have to insert the SIM card and charge the battery before you can use the phone.



Not for Commercial Use
Ericsson Mobile Com

Making and receiving calls



- Press and hold NO until you hear a tone.
- Enter your PIN (Personal Identity Number), if you have one for your SIM card, and press YES. Your PIN is provided by your network operator.

If you make a mistake while entering your PIN, delete the wrong number by pressing C.
If you enter the wrong PIN three times in a row, the SIM card is blocked and the message PIN blocked appears. To unblock it, you need to enter your PUK (Personal Unblocking Key). Your PUK is provided by your network operator.

- Enter the area code and phone number, and press YES to make the call.
- Press NO to end the call.

- When the phone rings, press YES to answer the call.

Ericsson Mobile Communications AB

Getting to know your phone

Key functions

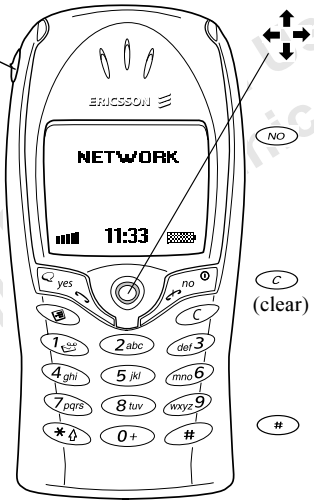
Volume key — Increase or decrease the volume of the earpiece or handsfree loudspeaker during a call. Scroll through menus, lists and text. Enter the Status menu. Slide up or down once to temporarily turn off the ring signal. Slide up or down twice to reject an incoming call.

YES — Make and answer calls. Select a menu, submenu or an option.

Press for options.

1–9, 0 — Enter the digits 0–9 and letters. Press and hold 0 to enter the international prefix +. Move through menus using shortcuts.

* — Enter *. Shift between lower and upper case.



Press the joystick up, down, left or right to move through the menus, lists and texts. Press the joystick as an alternative to YES.

NO — Press and hold to turn the phone on or off or to go back to standby mode. Press to end or reject a call, go back one level in the menus or leave an option unchanged.

C (clear) — Delete numbers and letters from the display. Delete an item from a list. Press to mute the ring signal. Press and hold to turn off the microphone during a call.

— Enter #.

Ericsson Confidential

Quick keys

The table describes some of the most useful key combinations.

To...	When in standby:
make an emergency call	enter the international emergency number and press **YES**
enter and move through the main menus	press ⬅ or ➡
enter the *Call list*	press **YES**
voice dial	press and hold **YES** or say your magic word
call your *Voice mail*	press and hold 1
enter the + sign to make an international phone call	press and hold 0
set the phone to silent	press and hold C and select *Turn on silent*, **YES**
reach a contact beginning with a specific letter	press and hold any of the keys 2 - 9
reach a phone number saved on the SIM card at a specific position.	press the position number and #
speed dial a phone number saved on the SIM card	press any of the number keys 1 - 9 and **YES**
find a contact in the *Call contact* list	press and hold ➡
enter the first submenu of the *My shortcuts* menu	press and hold ⬅
see which profile you are using	slide the volume key up or down
see today's date	slide the volume key up or down
change the language to *Automatic*	press ⬅ **8888** ➡
change the language to English	press ⬅ **0000** ➡
reject a call	quickly slide the volume key up or down twice when receiving a call or press **NO**

Ericsson Mobile Communications AB
Not for Commercial Use

To...	When in standby:
enter a *p* (pause)	press and hold * when saving codes
enter a *p* (pause)	press * when editing melodies

To...	During a call:
put a call on hold	press YES
retrieve a call	press YES again
turn off the microphone	press and hold C

To...	When in the menus:
move through menus or lists	slide (and hold) the volume key up or down or use the joystick
select a menu or setting	press YES
enter a quick options menu	press
delete an item	press C and YES when in lists
go back to standby	press and hold NO

To...	When entering letters using multitap text input:
reach the second letter or character of a key	slide the volume key up and hold and press any of the number keys
reach the third letter or character of a key	slide the volume key down and hold and press any of the number keys
shift between capital and lower-case letters	press *, then the letter
enter numbers	press and hold any of the number keys
enter a question mark	slide the volume key down and hold and press 1
enter the **@**-sign	slide the volume key down and hold and press 0
enter a space	press 1
delete letters and numbers	press C
shift between input methods	press and hold *

Ericsson Mobile Communications AB, Not for Commercial Use

To...	When entering letters using T9 Text Input:
view alternative words	press 0
accept a word and add a space	press 1
enter a full stop	press #
view alternative punctuation marks	press #, then 0 repeatedly
shift between capital and lower-case letters	press *, then the letter
enter numbers	press and hold any of the number keys
delete letters and numbers	press C
shift between input methods	press and hold *

Using shortcuts

A quicker way to move through the menus is to use shortcuts. Enter the menus by pressing ⬅ or ➡ and then simply enter the number of the menu to which you want to go. To get back to standby, press and hold NO.

You can quickly and easily reach the settings you use most by placing them in the menu *My shortcuts*. See “My shortcuts” on page 22.

Help Texts

Some menus have help texts with explanations.

- To view help texts, highlight the menu item, press , select *Help*, YES.

Delete, edit and rename

If you add items, for example, a contact, an appointment or a WAP bookmark, it can be deleted, edited or renamed.

There are two ways of deleting items:

- Select an item and press C.
- Select an item, press , select *Delete* or *Delete all*.

There are two ways of editing items:

- Select an item, press , select *Edit*.
- Scroll to the item you want to edit and press YES twice, select *Edit*.

Ericsson Mobile Communications AB Not for Commercial Use

Tip: *You can rename an item in the same way.*

Online services

Online services are customized services offered by network operators, independently of mobile phones and mobile phone manufacturers.

A SIM card which supports Online services works in the same way as a normal SIM card. When you have inserted your SIM card and turned on your phone, your network operator can download data to your SIM card. After the first data download and after restarting your phone, a new menu appears in your phone as the first submenu under the *Connect* menu.

- To enter your new menu system, scroll to *Connect/ Online services*.

Note: *This menu only appears if your SIM card supports this service. Some operators may not use the name "Online services". Your phone may not support all of the services offered.*

Ericsson Mobile Communications AB
Not for Commercial Use

Phone book
Call contact
Find and send *
Add contact
Edit contact
Business cards
Call from SIM
Groups
Calling cards
Options
Memory status
Special numbers

WAP services
Homepage
Bookmarks
Push inbox
Enter address
Resume
Select profile
Clear cache
WAP settings

Messages
SMS
Call voice mail
E-mail
Options

Organizer
Calendar
Voice memo
Alarms
Timer
Stopwatch
Calculator
Code memo

Calls
Missed calls
Calling local
Call list
Call costs
Call timers
Data counters
Next call
Options

Connect
Online services
Infrared port
Bluetooth
Synchronization
Networks
Data comm.
Phone name
Accessories

Fun & Games
Themes
Background
Games
My melodies
Pictures

My shortcuts
Select profile
Ring volume
Switch to line
My numbers
Edit shortcuts

Settings
Sounds & alerts
Profiles
Call options
Display
Language
Time and date
Locks
Voice control
Handsfree
Master reset

Ongoing call *
Transfer sound
Turn off tones
Hold call
Switch calls
Release active
Retrieve call
Join calls
Transfer call
Extract part
Release all
Release part
Parties in conf.
Calls

* Only available during a call

Please note that some menus are network- and subscription-dependent.

Print for Commercial Use
Ericsson Mobile Communications AB

Entering letters

You can enter letters, for example, when you add names to the phone book, write text messages or enter WAP addresses.

Apart from the way you normally enter letters in your phone, using multitap text input, you can use **T9™ Text Input** for entering text messages and e-mail, for example, if the input language you select supports this. T9 Text Input is a predictive input method and is a quicker way to write texts. See "T9™ Text Input" on page 14.

Input languages

Before you start entering letters, you need to select the input languages that you want to use when writing.

To select input languages

1. Scroll to *Settings*, YES, *Language*, YES, *Input*, YES.
2. Scroll to the language that you want to use for entering letters and press (*◊).
3. Press YES to exit the menu.

When writing, you can switch to one of your selected input languages by pressing (▤) and then selecting *Input language*. See "The list of options" on page 12.

The list of options

If you press (▤) when writing, you enter a list of options:

- *Add symbol* – Symbols and punctuation marks such as **?** and **,** are shown. Move between the symbols by using the joystick.
- *Insert object* – Such as pictures, melodies and sounds.
- *Text format* – Change style, size and alignment.
- *Rel. caps lock*/*Caps lock* – Switch between capital and lower-case letters.
- *Input language* – Input languages that you selected earlier is shown.
- *Input method* – A list of input methods is shown.
- *Edit word* – for T9 Text Input only
  Edit the suggested word by using multitap text input.
- *Accept word* – for T9 Text Input only
  Accept the suggested word.
- *Candidates* – for T9 Text Input only
  A list of alternative words is shown.
- *Help*.

Multitap text input

When saving names in the phone book or when writing WAP addresses, you enter letters using multitap text

Print for Commercial Use
Ericsson Mobile Communications AB

input. You press each key as many times as needed to show the letter you want.

In the following example, we are going to write a name:

To enter letters using multitap text input

1. Scroll to *Phone book*, YES, *Add contact*, YES. Press YES again.
2. Press the appropriate key, 1 – 9, 0 or #, repeatedly until the character you want appears in the display.
   See the table of the Latin alphabet below:

Press…	to get…
1	Space - ? ! , . : ; " ' < = > ( ) _ 1
2	A B C Å Ä Æ à Ç 2 Γ
3	D E F è É 3 Δ Φ
4	G H I ì 4
5	J K L 5 Λ
6	M N O Ñ Ö Ø ò 6
7	P Q R S ß 7 Π Σ
8	T U V Ü ù 8
9	W X Y Z 9
0	+ & @ / ¤ % $ € £ ¥ \ § ¿ ¡ 0 Θ Ξ Ψ Ω
#	# * ↵ ¶
C	to delete letters and numbers
*	to shift between capital and lower-case letters
0 - 9	press and hold to enter numbers

Example:

- To enter an '**A**', press 2 once.
- To enter a '**B**', quickly press 2 twice.
- To shift between capital and lower-case letters, press *, then enter the letter.

Tip: *You can also use the volume key as a shortcut to certain letters:*
*To enter a '**B**', slide the volume key up and hold and press 2.*
*To enter a '**C**', slide the volume key down and hold and press 2.*

Ericsson Confidential Use Only Ericsson Mobile Communications AB

T9™ Text Input

You can use T9 Text Input when writing, for example, text messages and e-mail. The T9 Text Input method uses a built-in dictionary to recognize the most commonly used word for each sequence of key presses. This way, you press each key only once, even if the letter you want is not the first letter on the key.

The following example shows how to start writing a text message:

To enter letters using T9 Text Input

1. Scroll to *Messages*, **YES**, *SMS*, **YES**, *Write new*, **YES**.
2. For example, if you want to write the word "Ericsson", press 3, 7, 4, 2, 7, 7, 6, 6.
3. If the word shown is the one you want:
   - press 1 to accept and add a space. (To accept a word without adding a space, press ➡.)

   If the word shown is not the one you want:
   - press 0 repeatedly to view alternative words (candidates). Accept a word and add a space by pressing 1.

   If you do not find the word you want by pressing 0:
   - press 📝 to go to a list of options.
   - Select *Edit word*, **YES**.
   - Delete the entire word by pressing C, or delete one letter at a time by pressing and holding the joystick to the right, and then C repeatedly.
   - Write the new word using multitap text input and press **YES**.
     The word is added to the dictionary. The next time you enter 4, 6, 9, the word you just added to the dictionary will appear as one of the alternative words.
4. Continue writing your message. See also "Sending text messages" on page 48.

Tip: *Press # to enter a full stop. To enter other punctuation marks, press # and then 0 repeatedly. Accept by pressing 1.*
*Press and hold *⇧ to select an input method.*

Print for commercial use
Ericsson Mobile Communications AB

Turning off the T9 Text Input

If you wish, you can turn off the T9 Text Input. This setting is valid for all input of texts – not only for the text you are currently writing.

- To turn T9 Text Input on or off, scroll to *Settings*/*Language*/*Predictive*.

Personalizing your phone

You can adjust the phone settings to suit your own requirements.

Note: *If you change a setting which is included in a profile, the active profile is also changed. See "Profiles" on page 22.*

Master reset

You can reset all the settings in the phone to the way they were when you bought your phone by selecting *Reset settings*. If you also want to delete all contacts, messages and other personal data, select *Reset all* instead.

To reset the phone

1. Scroll to *Settings*, **YES**, *Master reset*, **YES**.
2. Select *Reset settings* or *Reset all*, **YES**.
3. Enter the phone lock code (*0000* or the new code if you have changed it) and press **YES**.

Themes

You can change the appearance of the display, for example, the colours, by using themes. Your phone

Not for Commercial Use
Ericsson Mobile Communications AB

comes with some pre-set themes. To select a theme, select *Themes* from the *Fun & Games* menu.

Pictures

Your phone comes with a number of pictures. You can

- Have a picture as background when in standby mode.
- Enclose a picture in a text message.

The pictures are saved in *Pictures* or *Background*, in the *Fun & Games* menu.

Handling pictures

You can add, edit or delete pictures in *My pictures*. The number of pictures that can be saved depends on the size of the pictures.

To view your pictures

- Scroll to *Fun & Games*, **YES**, *Pictures*, **YES**, select a picture group, **YES**.

To edit and save a picture

1. Scroll to *Fun & Games*, **YES**, *Pictures*, **YES**, select a picture group, **YES**.
2. Select a picture, **YES**.
3. You can now start to edit the picture. See the table below.
4. Press **YES**, select *Save*, **YES**. The picture is saved in *My pictures*.

When editing or drawing a picture:

Press…	to…
1	move the cursor up and left.
2	move the cursor up.
3	move the cursor up and right.
4	move the cursor left.
5	lift up or put down the pen. Press and hold to switch between zoom and full size view.
6	move the cursor right.
7	move the cursor down and left.
8	move the cursor down.
9	move the cursor down and right.
0	switch line thickness.
✉	view the Options menu.

Ericsson Not for commercial use
Ericsson Mobile Communications AB

Press…	to…
YES	save and exit the picture.
NO	exit the picture editor.
C	press and hold to clear the picture.
* ◊	move the cursor 1, 5 or 10 spaces.
#	switch between black and white pen colour.

The pictures can also be added to *My favourites*.

To add a picture to My favourites

1. Scroll to *Fun & Games*, **YES**, *Pictures*, **YES**, select a picture group, **YES**.
2. Select a picture and press * ◊.
3. Press **YES** to add the picture.

Background pictures

Your phone comes with a number of background pictures but you can also download or receive pictures sent by others.

To view your background pictures

1. Scroll to *Fun & Games*, **YES**, *Background*, **YES**, *Select picture*, **YES**, select a picture and press **YES** to get a full view.

To select a picture as background

1. Scroll to *Fun & Games*, **YES**, *Background*, **YES**, *Select picture*, **YES**.
2. Select a picture and press **YES** twice.

Exchanging pictures

You can exchange pictures via text messages. For more information on sending pictures in messages, see "Messaging" on page 48. Background pictures can be exchanged via IR, *Bluetooth* wireless technology or WAP.

To send a picture

1. Scroll to *Fun & Games*, **YES**, *Background*, **YES**, *Send my picture*, **YES**.
2. Select a transfer method.
   If you use infrared make sure that the infrared ports are facing each other.

Ericsson Mobile Communications AB Not for Commercial Use

To receive and save a picture

1. From standby, press (menu) and scroll to *Receive*, **YES**. The infrared port is activated for 10 minutes and the *Bluetooth* function is activated for three minutes.
2. *Save picture?* appears. Press **YES** to save the picture in *My picture* under *Fun & Games*/*Background*/*Select picture*.

- When you receive a picture via a text message, a new message appears in your Inbox. To save the picture in *My pictures* under *Fun & Games*/*Pictures*, highlight the picture, press (menu) and select *Save picture*.

Ring signals and melodies

Your phone comes with a number of ring signals and melodies. You can edit your ring signals and melodies, and send them to a friend, in a text message. It is also possible to download melodies via WAP, *Bluetooth* wireless technology, IR.

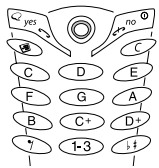
- Select *Voice calls* from the *Settings*/*Sounds & alerts*/*Ring signals* menu and select a ring signal.

To set the ring signal volume

1. Scroll to *Settings*, **YES**, *Sounds & alerts*, **YES**, *Ring volume*, **YES**.
2. Press ⬅ or ➡ to increase or decrease the volume.
3. Press **YES** to save the setting.

To edit a ring signal or melody

1. Scroll to *Fun & Games*, **YES**, *My melodies*, **YES**.
2. Select one of the melodies, **YES**.
3. Select *Edit*, **YES**.
   - Press (C) to remove notes.
   - Press a key to enter a note.
   - Press and hold a key to enter a long note. The longer you press a key the longer that note will be. There are four different lenghts of notes.



   - Press (0) to change octave. There are three different octaves.
   - Press (#) once to raise the note one semitone.
   - Press (#) twice to lower the note one semitone.
   - Press (*) to enter a pause.
4. To listen to your melody, press **YES**.
5. Press **YES** again to save it, or press **NO** to continue composing.

Sony Ericsson Mobile Communications AB
For Commercial Use

Note: *To send a ring signal or melody in a text message, see "To insert an object in a text message" on page 48.*

Receiving melodies

When you receive a sound or melody via IR, *Bluetooth* wireless technology or WAP, the message "*New melody Save melody?*" appears. Press **YES** to save it in *My melodies*.

If you use infrared make sure that the infrared ports are facing each other.

- To turn the ring signal on or off, press and hold C from standby and select *Turn on silent* or *Turn off silent*.
  All signals except the alarm and timer signals are turned off.

Increasing ring

You can choose a ring signal that rises in steps from the lowest volume to the highest.

- To turn increasing ring *On* or *Off*, scroll to *Settings*/*Sounds & alerts*/*Increasing ring*.

Specific ring signals for personal calls

If you subscribe to the Two Line Service, you can set different ring signals for the two voice lines. *Line 1* and *Line 2* are displayed instead of *Voice calls*. If your SIM subscription supports fax and data calls, you can set different ring signals for voice, fax and data calls respectively.

If your subscription includes the Calling Line Identification (CLI) service, you can assign a Personal ring signal to up to ten callers.

To set a specific ring signal for a caller

1. Scroll to *Settings*, **YES**, *Sounds & alerts*, **YES**, *Ring signals*, **YES**, *Personal rings*, **YES**, *Add new?*, **YES**.
2. Enter the first letter of the contact name, **YES**.
3. Select a contact, **YES**.
4. Select a ring signal, **YES**.

Sounds & alerts

You can choose to be notified of an incoming call by the buzzing of the vibrating alert. You can set the phone's vibrating alert to one of the following:

- *On* – all the time.
- *On if silent* – on when the ring volume is turned off or when you have set the phone to silent.
- *Off* – all the time.

Not for Commercial Use
Ericsson Mobile Communications AB

To set the vibrating alert

1. Scroll to *Settings*, **YES**, *Sounds & alerts*, **YES**, *Vibrating alert*, **YES**.
2. Select the setting you want, **YES**.

From the *Settings*/*Sounds & alerts* menu, you can also select *Message alert*, *Key sound* and turn on the *Minute minder*.

If you turn on the minute minder, you hear a beep once every minute during a call.

Menu language

Most SIM cards automatically set the menu language to the language of the country where you bought your SIM card. If this is not the case, the preset language is English.

To change the menu language

1. Scroll to *Settings*, **YES**, *Language*, **YES**, *Menus*, **YES**.
2. Select a language, **YES**.

Note: *You can always choose Automatic by pressing ⬅ 8888 ➡ in standby.*

You can always choose English by pressing ⬅ 0000 ➡ in standby.

Display light

The display light can be set to automatic, off or on. In automatic mode, the display light is turned off a few seconds after you press the last key.

- To set the display light, scroll to *Settings*/*Display*/*Light*.
- To set the display contrast, scroll to *Settings*/*Display*/*Contrast*.

Time settings

The time is always displayed in standby mode.

- To set the time, scroll to *Settings*/*Time and date*/*Set time*.

You can choose a 12-hour clock or a 24-hour clock.

- To set the time format, scroll to *Settings*/*Time and date*/*Time settings*/*Time format*.

If you select the 12-hour clock, you can alternate between am and pm by pressing #.

Date

When the phone is in standby mode, you can slide the volume key up or down to see today's date in the Status menu. You can set the date and date format in the *Settings*/*Time and date* menu.

Not for Commercial Use
Ericsson Mobile Communications AB

Advanced time settings

Under *Time settings* in the *Settings*/*Time and date* menu, you can set time zone and daylight saving time. Changing these, changes the time accordingly and thus also the appointments and tasks in your calendar.

When your phone changes network, and the time sent out from the operator deviates from the time in your phone, you are asked whether you want to update the time if you have turned on Automatic time zone. If you press YES, the time is updated automatically.

Answering mode

When using a portable handsfree kit, you can choose to answer a call by pressing any key (except the NO key) or set the phone to answer the call automatically.

- To select answering mode, scroll to *Settings*/*Handsfree*/*Answering mode*.

User greeting

When you turn your phone on or off, the Ericsson greeting appears in the display. Your operator's own greeting may be shown instead.

If you want to interrupt the greeting, press NO.

To select a greeting

1. Scroll to *Settings*, YES, *Display*, YES, *User greeting*, YES.
2. Select a greeting, YES.

Own greeting

You can create your own greetings by entering text.

- To create your own greeting, scroll to *Settings*/*Display*/*User greeting*/*Custom*.

Phone number display

You can check your own phone number(s).

To check your phone number, scroll to *Phone book*/*Special numbers*/*My numbers*. If your number is not saved on your SIM card, you can enter it yourself.

Keypad lock

You can lock the keypad to avoid dialling a number by accident.

Note: *Calls to the international emergency number 112 can still be made, even when the keypad is locked.*

Ericsson Mobile Communications AB Not for Commercial Use

Automatic keylock

Automatic keylock means the keypad is locked 25 seconds after you last press a key.

- To turn automatic keylock *On* or *Off*, scroll to *Settings*/*Locks*/*Auto keylock*.
- To lock the keypad manually, press and hold C and select *Turn on keylock*.

The keypad remains locked until you answer an incoming call or until you unlock the keypad manually.

- To unlock the keypad, press and hold C and select *Turn off keylock?*.

My shortcuts

You can place your favourite functions that you want to reach quickly and easily in the *My shortcuts* menu.

To add a function to my shortcuts

1. Scroll to *My shortcuts*, YES, *Edit shortcuts*, YES.
2. Select a function from the list by pressing *0.
3. Enter the position number you want for this function in your menu and press YES.
4. Press YES to exit the list.

Profiles

Your phone has a number of pre-set profiles which are set to suit a certain environment. You can add accessories to, rename or change these profiles. For example, when you go to a meeting, you can simply choose the *Meeting* profile and a number of settings such as the ring signal is turned off.

- To select a profile, scroll to *Settings*/*Profiles*/*Select profile*.

To change a profile setting

1. Scroll to *Settings*, YES, *Profiles*, YES, *Edit profile*, YES.
2. Select a setting, YES.
3. Change the profile settings and press YES to confirm.

- To rename a profile, scroll to *Settings*/*Profiles*/*Edit profile*/*Profile name*.

You can reset all profile settings to the way they were set when you bought your phone.

- To reset all profiles, scroll to *Settings*/*Profiles*/*Reset profiles*.

Ericsson Confidential Not for Commercial Use or Disclosure

Automatic activation

Some profiles, for example *In car*, are automatically activated when used with a specific accessory. When disconnected, the profile is changed back.

Calling

Before you can make or receive any calls, you must turn on the phone and be within range of a network. See “Making and receiving calls” on page 5.

Making calls

1. Enter the area code and the phone number.
2. Press YES to make the call.
3. Press NO to end the call.

Tip: *You can call numbers from the call list and the phone book. See “Call list” on page 25 and “Phone Book” on page 25. You can also use your voice to make calls. See “Voice control” on page 29.*

To change the earpiece volume during a call

- Slide the volume key on the side of the phone up or down to increase or decrease the earpiece volume during a call.

To turn off the microphone during a call

- Press and hold C until the display shows *Muted*. Press C again to resume the conversation.

Not for Commercial Use
Ericsson Mobile Communications AB

Automatic re-dialling

If the connection of the call failed and the display shows *Retry?*, press **YES**. The phone re-dials the number (up to ten times):

- until the call is connected.
- until you press a key or receive a call.

Note: *Do not hold the phone to your ear while waiting. When the call is connected, the phone gives a loud signal.*
Automatic re-dialling is not available for fax and data calls.

Making international calls

1. Press and hold 0 until a + sign appears in the display.
   The + replaces the international prefix number of the country from which you are calling.
2. Enter the country, area code (without the leading zero) and phone number, **YES**.

Making emergency calls

- Enter 112 (the international emergency number), **YES**.
  Your Ericsson phone supports the international emergency numbers, 112, 911, 999 and 08. This means that these numbers can normally be used to make an emergency call in any country, with or without a SIM card inserted, if a GSM network is within range.

Note: *Some network operators may require that a SIM card is inserted, and in some cases that the PIN has been entered as well.*

In some countries, other emergency numbers may also be promoted. Your operator may therefore have saved additional local emergency numbers on the SIM card.

- To view your local emergency numbers, scroll to *Phone book*/*Special numbers*/*SOS numbers*.

Receiving calls

When you receive a call, the phone rings and the display shows *Answer?*.

If your subscription includes the Calling Line Identification service and the caller's number is identified, the number is displayed. If you have saved the number in the phone book, the name is displayed.

To answer a call

- Press **YES**.

To reject a call

- Press **NO**.

Draft for Commercial Use
Ericsson Mobile Communications AB

Tip: *You can also use your voice to answer or reject calls. See "Voice control" on page 29.*

Missed calls

If you have missed a call, *Missed calls:1* appears in standby mode, indicating the number of missed calls.

To check your missed calls

1. Press **YES** to display the missed calls.
2. To call a number from the list, scroll to the number, **YES**.

Call list

The numbers of the last calls that you have made are saved in the call list. If your subscription includes the Calling Line Identification service and the caller's number is identified, you will also find the numbers of answered and missed calls in the call list.

To call a number from the call list

1. To enter the call list, press **YES** from standby.
2. Scroll to the number you want to call, **YES**.

- To clear the Call list, scroll to *Calls*, **YES**, *Options,* **YES**, *Clear call list*, **YES**.
- To turn the call list on or off, scroll to *Calls*, **YES**, *Options,* **YES**, *Call listing*, **YES**.

Phone Book

In the Phone Book you can save all the information needed to contact people.

To add a contact

1. Scroll to *Phone book*, **YES**, *Add contact*, **YES**.
2. Scroll to the field you want to fill in, press **YES**.
3. Enter the information, **YES**.
4. Select the next field and so on.
5. When you have entered the information, scroll to *Save and exit?,* **YES**.

To call a contact

1. From standby, press and hold one of the number keys 2-9 to find a contact beginning with the first letter on that key (or closest following).
   - For example, press and hold 5 to go to the first contact beginning with "J". To go to a contact beginning with "K" press 5 twice after you have entered the list of contacts.
2. When the contact you want to call is highlighted, press **YES**.

Ericsson Mobile Communications AB
Not for Commercial Use

3. Select the number you want to call, YES.
   If only one number is linked to the contact, press and hold YES at step 2.

Tip: *You can also use the Call contact option in the Phone book menu to call a contact.*

Updating the phone book

When needed, you can easily update or delete any contact information.

To edit a contact

1. Scroll to *Phone book*, YES, *Edit contact*, YES.
2. Enter the first letter of the contact, YES.
3. When the contact is highlighted, press YES.
4. Select *Edit name* or *Edit numbers*, YES.
5. Scroll to the field you want to fill in, YES.
6. Enter the information, YES.
7. Select the next field and so on.
8. When you have entered the information, scroll down to *Save and exit?,* YES.

To delete a contact

1. Scroll to *Phone book,* YES, *Edit contact.*
2. Enter the first letter of the contact you want to delete, YES.
3. Press C to delete the contact.
4. Press YES.
   To delete all contacts, select *Phone book,* YES, *Options,* YES, *Delete all?,* YES.

Note: *Contacts that are saved on the SIM card are not deleted.*

Default (standard) number

Each contact has a default phone number. The first phone number you link to a contact automatically becomes the default number. If you scroll to a certain contact in the *Call contact* list and then press and hold YES, the default number is dialled.

To set the default number

1. Scroll to *Phone book*, YES, *Edit contact*, YES.
2. Enter the first letter of the contact, YES.
3. When the contact is highlighted, press YES.
   Select *Default number*, YES. Select the number you want as default, YES.

Ericsson Mobile Communications AB
For Commercial Use

Groups

You can create a group of contacts. By doing so you can send text messages to several recipients at the same time. See “Sending text messages” on page 48.

To create a group of contacts

1. Scroll to *Phone book*, **YES**, *Groups*, **YES**, *Add group*, **YES**.
2. Enter a name for the group, **YES**.
3. Select *Add member*, **YES**.
4. Enter the first letters of the contact you want to add, press **YES**.
5. Press **YES** to select the contact.
6. Select a phone number, press **YES**.
7. Repeat steps 3-5 to add more members.

Business cards

You can add your own business card to the phone book.

- To add your own business card, scroll to *Phone book*/*Business cards*/*My own*. Then select *Add my own*.

Exchanging business cards

You can exchange business cards between your phone and another similar phone, a PDA or a PC, using *Bluetooth* wireless technology, the infrared port, or an SMS.

To send your business card

8. Scroll to *Phone book*, **YES**, *Business cards,* **YES**, *Send my own,* **YES**.
9. Select a transfer method, **YES**.
   If you use infrared make sure that the infrared ports are facing each other.

   When you receive a business card via a text message, you accept the card by pressing **YES**. To be able to receive a business card using the infrared port or *Bluetooth* wireless technology, you need to select the Receive menu in order to activate the infrared port or to make the phone discoverable.

To receive a business card

1. From standby, press (YES) and scroll to *Receive*, **YES**. Both the infrared port and the *Bluetooth* function are activated for three minutes.
2. When you receive the business card, press **YES**.
3. Press **YES** again to save the card in the phone book.

To send a contact

1. Scroll to *Phone book*, **YES**, *Business cards,* **YES**, *Send contact,* **YES**,

Draft for Commercial Use
Ericsson Mobile Communications AB

2. Enter the first letters of the contact you want to send, YES.
3. Press YES to select the contact.
   Select transfer method, YES.
   If you use infrared make sure that the infrared ports are facing each other.

- To send all contacts, scroll to *Phone book*, YES, *Business cards,* YES, *Send all,* and select a transfer method.

Copy contacts

You can copy the contacts between your phone's memory and the SIM card. The number of contacts that can be saved depends on the type of SIM card.

- To copy contacts to the SIM card, scroll to *Phone book*/*Options*/*Copy all to SIM*.

Note: *Everything on the SIM card is owerwritten.*

If you insert a SIM card with saved contacts in your phone, you can call a contact by selecting *Call from SIM* in the *Phone book* menu. If you want to edit a contact saved on the SIM card, you first need to copy the contact to the phone.

- To copy contacts to the phone, scroll to *Phone book*/*Options*/*Copy from SIM*.

Speed dialling

You can save the phone numbers that you want to reach easily in positions 1-9 on your SIM card.

To call any of these phone numbers from standby:

- Enter the position number and press YES.

To change position numbers

1. Scroll to *Phone book*, YES, *Options,* YES, *Position list*, YES.
2. Select the phone number you want to move, YES.
3. Select the position to which you want to move the phone number, press YES.
4. When you have finished press NO.
   When prompted, press YES to confirm your changes.

Checking the memory

With the Memory status function in your phone book, you can check how many positions you have left in your memory.

- To check the phone book memory, scroll to *Phone book*/*Memory status*.

Ericsson Mobile Communications AB Not for Commercial Use

Voice control

With your phone, you can:

- Voice dial – call someone by saying the name and number type.
- Answer and reject calls with your voice when using a handsfree kit.
- Change profile with your voice.
- Record or listen to voice memos by using voice commands.
- Activate the voice control by saying a “magic word”.

You can save up to 50 voice commands. When recording voice commands, make sure you are in a quiet environment.

Before voice dialling

You must first turn on the name dialling function and record your voice commands.

To turn name dialling on and record number types

1. Scroll to *Settings*, **YES**, *Voice control*, **YES**, *Voice settings*, **YES**, *Voice dialling*, **YES**.
2. Select *On*, **YES**. Now you are going to record a voice command for each number type you use with your phone book contacts, for example, “home” or “mobile”.
3. Instructions appear. Press **YES**.
4. Select a number type, **YES**.
5. Lift the phone to your ear, wait for the tone and say the command that you want to record. The voice command is played back to you.
6. If the recording sounds OK, press **YES** to save the voice command. If not, press **NO** and repeat step 4.
7. Repeat steps 4 and 5 for each voice command you need.

You also need to record voice commands for each contact name, for example, “John”.

To record a voice command for a contact name

1. Scroll to *Settings*, **YES**, *Voice control*, **YES**, *Voice commands*, **YES**, *Contacts*, **YES**, *Add voice*, **YES**.
2. Select a contact, **YES**.
3. Follow the instructions in the display.
   An icon appears next to a contact name which has a voice command.

Ericsson Mobile Communications AB Not for Commercial Exploitation

Caller name

You can choose whether you want to hear the recorded contact name when you receive an incoming call from that contact.

- To turn the caller name *On* or *Off*, scroll to *Settings*/*Voice control*/ *Voice settings*/*Caller name*.

Voice dialling

You can voice dial by saying the name of the contact.

To make a call

1. From standby, press and hold **YES** until you hear a tone.
2. Release **YES**, lift the phone to your ear and say a name, for example "John". The name is played back to you.
3. If you have several numbers for that contact, after a second tone, say the number type, for example, "home".
   The number type is played back to you, and the call is connected.

From standby, you can also initiate voice dialling, voice profiles and voice control of voice memos by:

- Sliding and holding the volume key.
- Pressing the handsfree button (when using a portable handsfree or a *Bluetooth* headset).
- Saying the magic word. See "The magic word" on page 31.

Voice answering

You can answer or reject incoming calls by using your voice, when using a portable handsfree or a car handsfree kit.

To record voice answer commands

1. Scroll to *Settings*, **YES**, *Voice control*, **YES**, *Voice settings,* **YES**, *Voice answer*, **YES**.
2. Select the accessories you want to be able to use with voice answering by pressing (*), **YES**.
3. Instructions appear. Press **YES**.
4. Lift the phone to your ear, wait for the tone and say "Answer", or another word. If the recording sounds OK, press **YES**. If not, press **NO** and repeat step 5.
5. Say "Busy", or another word. Press **YES**.

To answer a call using voice commands

- When the phone rings, say "Answer".
  The call is connected.

To reject a call using voice commands

- When the phone rings, say "Busy".
  The call is rejected. The caller hears a busy tone.

Not for Commercial Use
Ericsson Mobile Communications AB

Changing profiles

If you record voice commands for your profiles, you can change profile with your voice.

To turn on and record profile commands

1. Scroll to *Settings*, YES, *Voice control*, YES, *Voice settings*, YES, *Voice profiles*, YES.
2. Select *On*, YES.
3. Instructions appear. Press YES.
4. Select a profile, YES.
5. Lift the phone to your ear, wait for the tone and say the profile name. Repeat steps 4 and 5 to record voice commands for the other profiles.

To change a profile using voice commands

1. From standby, press and hold YES until you hear a tone.
2. Release YES, lift the phone to your ear and say the profile command for the required profile. The profile command is played back to you and the current profile is changed.

Voice recordings

Instead of using the menus, you can record voice commands to start or to listen to a recording.

To turn on and record recording commands

1. Scroll to *Settings*, YES, *Voice control*, YES, *Voice settings,* YES, *Voice memo*, YES.
2. Select *On*, YES.
3. Instructions appear. Press YES.
4. Lift the phone to your ear, wait for the tone and say "Record", then press YES.
5. Say "Play", press YES.

To start a recording using a voice command

1. From standby, press and hold YES until you hear a tone.
2. Release YES, lift the phone to your ear and say "Record". The voice command is played back to you and a tone indicates that the recording has begun.
3. To end the recording, press YES.

To listen to recordings using a voice command

1. From standby, press and hold YES until you hear a tone.
2. Release YES, lift the phone to your ear and say "Play". The voice command is played back to you.
3. Listen to your recordings. Press NO to stop.

The magic word

You can record a magic word and use it as a voice command to allow totally handsfree access to voice

Ericsson Mobile Communications AB
Not for Commercial Use

control. Instead of pressing and holding YES, you say the magic word and then one of your recorded voice commands. The magic word is especially suitable when using a car handsfree kit.

Tip: *Choose a long, unusual word which can easily be distinguished from ordinary background speech.*

To turn on and record the magic word

1. Scroll to *Settings*, YES, *Voice control*, YES, *Voice settings*, YES, *Magic word*, YES.
2. Select the accessories you want to be able to use with the magic word by pressing (*◊), YES.
3. Instructions appear. Press YES.
4. Lift the phone to your ear, wait for the tone and say the magic word.

Tip: *Turn off the magic word when you no longer need totally handsfree access, in order to save battery power.*

Editing your voice commands

You can keep all your voice commands up to date by re-recording them or deleting the ones you do not use. See the following example.

To re-record a voice command

1. Scroll to *Settings*, YES, *Voice control*, YES, *Voice commands*, YES.
2. Select the type of voice command, YES.
3. Select a voice command, YES.
4. Select *Replace voice*, YES.
5. Lift the phone to your ear, wait for the tone and say the command.

You can also edit the voice command for a contact name in *Edit contact* in the *Phone book* menu.

Tips when recording

If your phone cannot detect speech, one of the following might have happened:

- You spoke too softly – try speaking more loudly.
- You held the phone too far away – hold it as you do during a call.
- The voice command was too short – it should be around one second long and more than one syllable.
- You spoke too late or too soon – speak immediately after the tone.
- You did not record the voice command when the handsfree was attached – for voice control with a handsfree kit, record when the handsfree is attached.

Ericsson Mobile Communications AB Not for Commercial Use

- You used another intonation – use the same intonation as you did when recording the voice command.

Voice mail

If your subscription includes an answering service, callers can leave a voice mail message when you cannot answer a call.

Receiving a voice mail message

Depending on your network operator, you are informed that someone has left a message by a text message (SMS) or by a voice mail indication. Press YES to listen to the message.

Calling your voice mail service

You can easily call your voice mail service by pressing and holding 1, if you have saved your voice mail number in the phone. You get the number from your service provider.

- To enter the number, scroll to *Messages*/*Options*/*Voice mail no.*

Call time and cost

During a call, the duration of the call is shown in the display. If you subscribe to cost information, the call cost (or the number of call units) is displayed.

You can check the duration of your last call, outgoing calls and the total time.

- To check the call time, scroll to *Calls*/*Call timers*/ and select an option. To reset the call time meter, select *Reset timers*.

You can check the cost of your last call and the total cost of your calls.

- To check the call cost, scroll to *Calls*/*Call costs*/ and select an option. To reset the call cost meter, select *Clear total cost*.

Note: *If you subscribe to cost information, you must enter your PIN2 to clear the cost or time counter.*

Setting the call cost

You can use the Tariff function to specify the price per call unit. If you do not specify a price per call unit, the number of call units is displayed.

Ericsson Mobile Communications AB Not for Commercial Use

To enter the price per call unit

1. Scroll to *Calls*, YES, *Call costs*, YES, *Set tariff*, YES.
2. Enter your PIN2, YES.
3. Select *Change tariff*, YES.
4. Enter the code for the currency you want, (for example GBP for Pounds Sterling), YES.
5. Enter the price per call unit, YES.

   To enter a decimal point, press (*◊).

Credit limit for calls

You can enter a total amount of money that can be used for making calls. When the amount reaches zero, no more calls can be made. Please note that the credit limit is only an estimated value.

To set a credit limit

1. Scroll to *Calls*, YES, *Call costs*, YES, *Set credit*, YES.
2. Enter your PIN2, YES.
3. Select *Change credit*, YES.
4. Enter an amount, YES.

Diverting calls

If you cannot answer incoming voice, fax or data calls, you can divert them to another number, for example your answering service.

For voice calls, you can choose between the following divert alternatives:

- *Divert always* – divert all voice calls.
- *When busy* – divert calls if you are already on the phone.
- *Not reachable* – divert calls if your phone is turned off or if you are unreachable.
- *No reply* – divert calls that you do not answer within a specified time limit (operator-dependent).

Note: *When the Restrict calls function is on, some Divert calls options cannot be activated.*

To turn on a call divert

1. Scroll to *Settings*, YES, *Call options*, YES, *Divert calls*, YES.
2. Select a call category and then a divert alternative, YES.
3. Select *Activate*, YES.
4. Enter the phone number to which you want your calls to be diverted and press YES, or retrieve it from the phone book.

Ericsson Mobile Communications AB Not for Commercial Use

To turn off a call divert, select a divert option and select *Cancel*.

To check status

- Scroll to *Settings,* YES, *Call options,* YES, *Divert calls,* YES. Select a call type, YES. Scroll to the divert you want to check, YES. Select *Get status*, YES.
- To check the status of all call diverts, select *Check all* in the *Divert calls* menu.

More than one call

You can handle more than one call simultaneously. For example, you can put an ongoing call on hold, while you make or answer a second call, and then switch between the two calls.

Note: *During a call the Ongoing call menu replaces the Calls menu.*

Call waiting service

If the call waiting service is activated, you hear a beep in the earpiece if you receive a second call during an ongoing call.

- To activate or deactivate the call waiting service, scroll to *Settings/Call options/Call waiting*.

To make a second call

1. Press YES to put the ongoing call on hold.
2. Enter the number you want to call and press YES, or retrieve a number from the phone book.

Note: *You can only put one call on hold.*

Receiving a second call

- To answer the second call and put the ongoing call on hold, press YES.
- To reject the second call and continue the ongoing call, select *Busy*.
- Select *Release&answer* to answer the second call and to end the ongoing call.

Handling two calls

When you have one ongoing call and one call on hold, you can do the following:

- Press YES to switch between the two calls.
- Scroll to *Ongoing call*, then select *Join calls* to join the two calls into a conference call.

Not for Commercial Use
Ericsson Mobile Communications AB

- Scroll to *Ongoing call*, then select *Transfer call*, to connect the two calls. You are disconnected from both calls.
- Press NO to end the ongoing call, then press YES to retrieve the held call.
- Press NO twice to end both calls.

Note: *You cannot answer a third call without ending one of the first two calls.*

Conference calls

In a conference call, you can have a joint conversation with up to four other people. You can also put a conference on hold and make another call.

Creating a conference call

To create a conference call, you must first have one ongoing call and one call on hold.

To join the two calls into a conference call

- Scroll to *Ongoing call*, YES, *Join calls*, YES.

To add a new participant

1. Press YES to put the conference call on hold.
2. Call the next person you wish to include in the conference call.
1. Scroll to *Ongoing call*, select *Join calls*, YES. Repeat steps 1 to 3 to include more participants.

To release a participant

1. Scroll to *Ongoing call*, select *Release part*, YES.
2. Select the participant, YES.

To end the conference call

- Press NO.

Having a private conversation

You can have a private conversation with one of the participants and put the other participants on hold.

- Scroll to *Ongoing call*, then select *Extract part* to select the participant that you want to talk with.
- Select *Join calls* to resume the conference call, again.

Two voice lines

Your phone may have two voice lines with different phone numbers. This may be useful if, for example, you want to keep business calls and private calls on separate lines.

- To select a line, scroll to *Calls*/*Next call*.

Ericsson Mobile Communications AB, Not for Commercial Use

All outgoing calls are made on this line until you change it. Incoming calls can still be received on either line.

You can change the names of the lines, and have different settings for each line, for example, different ring signals.

- To change the name of a line, scroll to *Settings*/*Display*/*Edit line tag*.

Calling card calls

You can use the calling card service to redirect the cost of a call to a credit card or a calling card account, instead of your normal account. This may be useful, for example, when making long distance calls.

You can save two separate calling card numbers. The numbers and the codes associated with them are protected by the phone lock code.

Before making a calling card call, you need to select and activate a card.

Note: *You cannot use the calling card service for fax and data calls.*

To turn the calling card service on or off

1. Scroll to *Phone book*, YES, *Options*, YES, *Set callingcards*, YES.
2. Enter your Phone Lock code, YES.
3. Select *On* or *Off*, YES.

To save a card number

1. Scroll to *Phone book*, YES, *Calling cards*, YES.
2. Enter your phone lock code, YES.
3. Select *Add new?*, YES.
   Enter the card settings (the access number and name of the calling card server, and the verification code). You get this information from your card provider. Select which you want to send first – the number that you want to call, or the verification code. Press YES to confirm your choice.

To select a card

1. Scroll to *Phone book*, YES, *Calling cards*, YES.
2. Enter your phone lock code, YES.
3. Select a card, YES.
4. Select *Activate card*, YES.

Ericsson Mobile Communications AB, Limited Use for Commercial Use

To make a calling card call

1. Enter the phone number of the person you want to call, or retrieve the number from the phone book.
2. Press and hold YES.
   The access number of the calling card server is called. During the connecting phase, you are asked to send the phone number you want to call and the verification code.
3. Press YES when the display shows *Send called number?*, or wait a few seconds and the number and code are sent automatically.

Restricted dialling

You can use the restrict calls service to restrict outgoing and incoming calls. This may be useful, for example, when you are abroad. To use this service, you need a password which you get from your service provider.

Note: *If you divert incoming calls, you cannot activate some Restrict calls options.*

The following calls can be restricted:

- All outgoing calls – *All outgoing*.
- All outgoing international calls – *Outgoing intl*.
- All outgoing international calls except to your home country – *Outg. intl roam*.
- All incoming calls – *All incoming*.
- All incoming calls when you are abroad (when roaming) – *Inc when roam*.

To turn a call restriction on or off

1. Scroll to *Settings*, YES, *Call options*, YES, *Restrict calls*, YES.
2. Select an option, YES.
3. Select *Activate* or *Cancel*, YES.
4. Enter your password, YES.

- To turn off all call restrictions, select *Cancel all*.
- To change the password, select *Change passwd*.

Fixed dialling

The fixed dialling function allows calls to be made only to certain numbers saved on the SIM card. Fixed dialling requires a SIM card that allows fixed numbers to be saved. The fixed numbers are protected by your PIN2.

Note: *Calls to the international emergency number 112 can still be made, even when the fixed dialling function is on.*

Ericsson Mobile Communications AB Not for Commercial Use

- Partial numbers can be saved. For example, saving 0123456 allows calls to be made to all numbers starting with 0123456.
- Numbers with question marks can be saved. For example, saving 01234567?0, allows calls to be made to numbers from 0123456700 to 0123456790. To enter a question mark, press and hold #.

To turn fixed dialling on or off

1. Scroll to *Phone book*, YES, *Options*, YES, *Fixed dialling*, YES.
2. Enter your PIN2, YES.
3. Select *On* or *Off*, YES.

- To save a fixed number, scroll to *Phone book*/*Special numbers*/*Fixed numbers*/select *Add new?* and enter the number.

Closed user groups

The Closed User Group function is a way of lowering call costs. On some networks it is cheaper to make calls within a call group. You can save ten groups.

To add a group

1. Scroll to *Settings,* YES, *Call options,* YES, *Closed groups*, YES, *Edit list*, YES.
2. Scroll to *Add new?,* YES.
3. Enter the name of the user group, YES.
4. Enter the index number, YES.
   You get the index number from your operator.

To activate a group

1. Scroll to *Settings,* YES, *Call options,* YES, *Closed groups*, YES, *Edit list*, YES.
2. Select a group, YES.
3. Select *Activate,* YES.
   Calls can only be made within the selected group.

- To call outside a Closed User Group, select *Open calls* and then select *On*.

Accept calls

With the accept calls service, you can choose to receive calls only from certain numbers. Other calls are automatically rejected by a busy tone. The phone numbers of calls you have rejected are saved in the Call List.

Ericsson Mobile Communications AB Not for Commercial Use

To add numbers to the accepted callers list

1. Scroll to *Settings,* YES*, Call options,* YES, *Accept calls*, YES, *Accepted list*, YES.
2. Scroll to *Add to list?*, YES.
   This takes you to the phone book.
3. Select an entry, YES.

- To select an accept option, scroll to *Settings*/*Call options*/*Accept calls*/*Accept options*.

Networks

When you turn on the phone, it automatically selects your home network if this is within range. If it is not within range, you may use another network, provided your network operator has an agreement that allows you to do so. This is called roaming.

You can select the network you want to use, or you can add a network to your list of preferred networks. You can also change the order in which networks are selected during an automatic search. For all such options, scroll to *Connect*, YES, *Networks*, YES.

Additional calling functions

Tone signals

You can use telephone banking services or control an answering machine by sending tone signals (also known as DTMF tones or touch tones) during a call.

- To send the tones, press the number keys 0-9, * and #.
- To clear the display after the call is finished, press NO.

Notepad

You can use the phone to make a note of a phone number during a call. When you press the number keys, the person you are talking to hears tone signals. To turn these tone signals off during the call, press , select *Turn off tones*, YES. When you end the call, the number remains in the display. You can then call the number by pressing YES.

Showing or hiding your number

If your subscription supports the Calling Line Identification Restriction (CLIR) service, you can hide your phone number when making a call.

Ericsson Confidential Commercial Electronics AB
Not for Commercial Use

To show or hide your phone number

1. Enter the phone number you want to call.
2. Scroll to *Calls*, YES, *Next call*, YES.
3. Select *Hide my number* or *Show my numb.* and press YES to make the call.

Setting up mobile Internet

In order to use the Internet, browse via *WAP services* or send and receive e-mail messages, you must have a phone subscription that supports data transmission and settings entered.

Note: *Settings may already be entered when you buy your phone, or you can receive settings from your network operator or service provider. Settings are also available at www.ericsson.com/consumers.*

Receiving settings in a text message

Your GSM network operator or Internet service provider may be able to send the required data account, WAP and e-mail settings direct to your phone in a text message (SMS).

To request settings from Ericsson

1. Use a PC to go www.ericsson.com/consumers. By using the WAP and E-mail Configurator you can request that a text message be sent to your phone with the settings you need.

Not for Commercial Use
Ericsson Mobile Communications AB

2. When the message arrives, *New settings. Install?* appears.
   - Press YES to install the new settings or

   Note: *If settings already exist in your phone you can either keep or replace them. See "Advanced setting information" on page 42 for more information.*
   - Press NO to cancel installation. A new request for settings is then required, as in step 1.
3. After installation, see "Using mobile Internet" on page 53.

Advanced setting information

Mobile Internet, including WAP and e-mail, requires the following settings:

- **Data account** – settings for access to a server for WAP browsing and e-mail messaging.
- **WAP profile** – settings for WAP browsing.
- **E-mail account** – settings for e-mail messaging.

Data account settings

You can have several data accounts saved in your phone, with different settings for different purposes. The main setting for a data account is the *Account type* (connection method).

Note: *Please contact your network operator for charging details.*

You can choose from *GPRS data* or *GSM data* account types.

GPRS (General Packet Radio Service) allows fast and efficient access where you can always be online.

Note: *You need a subscription that supports GPRS.*

GPRS settings that are available:

- *APN (*Access point name address) – the address of the external data network you want to connect to, either an IP address or a text string.
- *User id* – your user id to log on to the external data network.
- *Password* – your password to log on to the external data network.
- *Passwd request* (Password request) – if this setting is on, you are asked for a password each time you log on to the external data network.

Ericsson Mobile Communications AB Not for Commercial Use

- *Allow calls* (Preferred service) – if you want to be able to accept incoming calls during a GPRS session, select *Automatic*. If not, select *GPRS only*.
- *IP address* – the IP address that the phone uses when communicating with the network. If you do not enter an address, the network provides you with a temporary IP address.
- *Advan. settings* (Advanced settings) – these are optional. Consult your network operator.

GSM settings include some settings that are similar to GPRS settings and some which are GSM specific as follows:

- *Phone number* – the phone number of your Internet service provider.
- *Data rate* – select the speed you want for the connection.
- *Dial type* – select analogue or ISDN connection.

Note: *If you want to change access type, you have to create a new data account and select the access type you want to use.*

To create a data account manually

1. Scroll to *Connect*, YES, *Data comm.*, YES, *Data accounts*, YES, *Add account?*, YES.
2. Select an access type.
3. Enter a name for the data account.
4. Enter the settings that you have received from your network operator or service provider. Confirm each setting by pressing YES.
5. Scroll to *Save?*, YES.

To edit a data account

1. Scroll to *Connect*, YES, *Data comm.*, YES, *Data accounts*, YES.
2. Select a data account, YES.
3. Select *Edit*.
4. Select the setting you want to edit, YES. Edit the setting, YES.
5. Repeat step 4 for other settings you want to edit.

Preferred service

You can set GPRS or GSM as the preferred service. This setting is valid for all data accounts.

- To select preferred mode, scroll to *Connect*/*Data comm.*/*Pref. service* and select *GPRS and GSM* or *GSM only*.

Not for Commercial Use
Ericsson Mobile Communications AB

Note: *To see the status of GPRS coverage and connection, slide the volume key up or down from standby to enter the Status menu and then scroll to GPRS.*

Sent and received data

You can check how much data you have sent and received, using GPRS.

- Scroll to *Calls*/*Data counters*, and select *Last session* or *Total data*.

WAP profile settings

The WAP settings are stored in a WAP profile. In most cases you only need to use one profile to access the Internet.

You set up and use additional WAP profiles, for example, when accessing secure Internet sites, such as a banking site or a corporate intranet. You then simply switch between profiles when you need to change the network connection.

To enter WAP profile settings manually

1. Make sure you have a data account set up between your phone and the Internet server, as described in "Data account settings" on page 42.
2. Scroll to *WAP services*, **YES**, *WAP settings*, **YES**.
3. Select the profile that you want to edit and press **YES**.
4. Scroll to *Rename*, **YES**. Enter a name for the profile.
5. Scroll to *Chg homepage*, **YES**. Enter the address of the WAP page you want to have as homepage.
6. Scroll to *Save to*, **YES**. Select if the bookmarks that you add during browsing should be available for all your WAP profiles or only for the WAP profile you are currently using and press **YES**.
7. Scroll to *Gateway*, **YES**.

   For *GPRS and GSM*, select *IP settings*, **YES**. Continue as described in "To enter IP settings" below.
   For *SMS*, scroll to *Change type*/*SMS*/*SMS settings*. Continue as described in "To enter SMS settings" below.

To enter IP settings

1. Select *Connect using*, **YES**. Select the data account you want to use when browsing, **YES**.
2. Scroll to *IP address*, **YES**. Enter the IP address of the WAP gateway, **YES**.
3. Scroll to *User id*, **YES**. Enter your user id for the WAP gateway.

Draft for Commercial Use
Edition for IMS Communications AB

4. Scroll to *Password*, YES. Enter your password for the WAP gateway, YES.
5. Scroll to *Data mode*, YES. Select a data connection mode, YES.
6. Scroll to *Security*, YES. Select *On* if you want a secure connection, or *Off* if you do not want a secure connection.
7. Scroll to *Show images*, YES. Select *On* if you want to view images while browsing, or *Off* if you do not want to view images while browsing.
8. Scroll to *Response timer*, YES. Enter a time limit in seconds after which a download attempt will stop.

Note: *An IP address consists of four groups of digits, with a maximum of three in each group. If one of your digit groups consists of only one or two digits, you have to enter a leading zero (0) for each digit that is missing. Example: If the IP address is 123.4.67.901, write 123.004.067.901.*

To enter SMS settings

1. Select *Service centre*, YES. Enter the phone number of your network operator's service centre.
2. Scroll to *SMS gateway*, YES. Enter the phone number of your network operator's SMS gateway.
3. Scroll to *User id*, YES. Enter your user id for the WAP gateway.
4. Scroll to *Password*, YES. Enter your password for the WAP gateway.
5. Scroll to *Security*, YES. Select *On* if you want a secure connection, or *Off* if you do not want a secure connection.
6. Scroll to *Show images*, YES. Select *On* if you want to view images while browsing, or *Off* if you do not want to view images while browsing.
7. Scroll to *Response timer*, YES. Enter a time limit in seconds after which a download attempt will stop.

WAP security settings

To establish secure connections when using certain WAP services, you need to have certificates saved in your phone. Your phone may already contain certificates when you buy it. You can also download certificates from certain WAP sites, or receive them from a service provider.

To turn on a secure connection

1. Scroll to *WAP services*, YES, *WAP settings*.
2. Select the profile you want to edit, YES.

Ericsson Mobile Communications AB

3. Select *Gateway*, **YES**, *IP settings* or *SMS settings*, **YES**, *Security*, **YES**, *On*, **YES**.

To check the certificates in your phone

1. Scroll to *WAP services*, **YES**, *WAP settings*, **YES**, *Common*, **YES**, *Security*, **YES**.
2. Select *Trusted certif.* or *Client certif.*

Locks (PIN codes)

PIN codes protect your subscription from unauthorized use, when accessing certain WAP sites, and to authorize transactions. Your PIN code acts as a signature when you confirm a transaction.

Note: *These codes are supplied by your network operator or service provider if supported.*

A *Locks* setting may appear in the Security submenu:

- To go to the *Locks* menu, scroll to *WAP services*/*WAP settings*/*Common*/*Security*/*Locks*.

Transaction contracts

You can check which transactions you have made with your phone when browsing. A contract, which contains details about the transaction, can be saved in your phone.

- To check your contracts, scroll to *WAP services*/*WAP settings*/*Common*/*Security*/*Contracts*.

E-mail account settings

An e-mail account specifies, for example, the server that is used for your e-mail messages.

To create an e-mail account

1. Scroll to *Messages*, **YES**, *Options*, **YES**, *E-mail*, **YES**.
2. Select *Edit account*, **YES**.
3. Select *Add new?*, **YES**.
4. Enter a name for the account, for example **Home** or **Office**.
5. Select *Connect using*, **YES**.
   A list appears with the data accounts that you have saved in your phone.
6. Select the data account you want to use with this e-mail account, **YES**.
7. Enter the rest of the settings in the list. You use the same e-mail settings in your phone as in your PC e-mail program. If you do not have an e-mail service, contact your operator to get all the necessary settings.

Ericsson Mobile Communications AB Not for Commercial Use

- *POP3 server* – enter the name or IP address of the service provider. For example, mail.server.com or 10.1.1.1.
- *POP3 port* – if needed, change the number of the port used by the POP3 protocol.
- *Mailbox* – enter a user name for your e-mail account.
- *Password* – enter a password for your e-mail account.
- *SMTP server* – enter the name or IP address of the SMTP server to be able to send e-mail messages.
- *SMTP port* – if needed, change the number of the port used by the SMTP protocol.
- *Email address* – enter your e-mail address.
- *From name:* – enter your name.
- *Signature* – select if you want to add your business card to your e-mail messages.
- *Copy outgoing* – Select *On*, if you want e-mail messages sent from your phone also to be sent to an e-mail address of your choice. This way, your sent messages are copied and can be saved for future reference.
- *Check interval* – Select how often you want the phone to connect to your e-mail server and check for incoming e-mail messages. This is convenient if you have got a GPRS subscription.

If you have both an office and a home e-mail account, you can set one of them as default:

- Select *Set account* from the *Messages*/*Options*/*E-mail* menu and select the account.

See “E-mail” on page 51 for information about how to use e-mail.

Ericsson for Commercial Use by Ericsson Mobile Communications AB

Messaging

Your phone supports messaging services - text messages and e-mail. Please contact your service provider for details on which services you can use.

Text messages

Text messages can be sent to one person, or to a group of recipients that you have saved in the phone book. Text messages can also contain pictures, animations, melodies and sounds.

Before you start

- First make sure that the number of your service centre is set. The number is supplied by your service provider and is usually saved on the SIM card.

To set the service centre number

1. Scroll to *Messages*, **YES**, *Options*, **YES**, *SMS*, **YES**, *Service centres*, **YES**.
   If the service centre number is saved on the SIM card it appears in the display.
2. If there is no number in the list, select *Add new?*, **YES**.
3. Enter the number, including the international "+" sign and country code, **YES**.

Sending text messages

For information about entering letters, see "Entering letters" on page 12.

To write and send a text message

1. Scroll to *Messages*, **YES**, *SMS*, **YES**, *Write new*, **YES**.
2. Write your message, **YES**.
3. Enter the recipient's phone number or press ⬅ to retrieve a number or a group from the phone book.
4. Press **YES** to send the message.

Note: *If you send a text message to a group, you are charged for each member of that group.*

To insert an object in a text message

1. Scroll to *Messages*, **YES**, *SMS*, **YES**, *Write new*, **YES**.
2. While writing your message press ⓜ.
3. Select *Insert object*, **YES**.
4. Select *Picture*, *Sound, Melody* or *Animation*, **YES**.
5. Select an object, **YES**.

Ericsson Mobile Communications AB Not for Commercial Use

Text formatting

You can change the style, size and alignment of the text, and create new paragraphs, in a text message.

To format the text in a text message

1. Scroll to *Messages*, YES, *SMS*, YES, *Write new*, YES.
2. Before you write the text message, press ✉.
3. Select *Text format*, YES. Then select *Text size, Text style, Alignment* or *New paragr.*, YES.
4. Select one of the alternatives, YES.
   To select or deselect a *Text style* press *, YES.

Receiving text messages

When you receive a text message, the phone beeps and the message *New message Read now?* appears in the display.

To read the text message

Press YES to read the text messsage, or NO if you want to read the message later. The message is saved in *Inbox* in the *SMS* menu. You may not receive all parts of a long message at the same time.

While reading the text message you can, for example, go to a WAP address found in the text message.

When you have read the text message, press YES to select one of the following options, for example, *Reply*, *Forward* or *Delete* the text message. Press NO to close the text message.

Saving incoming text messages

Incoming text messages are saved in the phone memory. When the phone memory is full, incoming text messages are saved on the SIM card. Messages that you have saved on the SIM card remain there until you delete them.

To save from a text message

When the phone number, picture or melody is highlighted, press YES. Then select to save the item and press YES.

- A picture is saved in *Pictures*.
- A melody is saved in *My melodies*.
- A phone number is saved in *Phone book*.

Long messages

A text message can contain up to 160 characters. You can send a longer message by linking two or more messages. Please note that you are charged for the number of linked messages.

Not for Commercial Use
Ericsson Mobile Communications AB

- To turn long messages on or off, select *Long messages* from the *Messages*/*Options*/*SMS* menu.

Templates

If you have one or more messages that you send often, you can save these as templates. Your service provider may also have saved some templates in your phone.

To create a template

1. Scroll to *Messages*, **YES**, *SMS*, **YES**, *Templates*, **YES**, *Add new?*, **YES**.
2. Write the message, **YES**.
3. Press **YES** if you want to send the message now. Press **NO** to save the template.

Message options

You can set a default value for the message options below, or you can turn on the *Set on send* option which means that you choose the settings each time you send a message.

- Message type – The phone supports different types of messages. Your service provider may offer the facility of converting a text message into a format (e-mail or fax, for example) that suits the equipment that is going to receive the message.
- Validity Period – If your message cannot be delivered, for example, if the recipient has turned off the phone, your service centre can save the message to send it later.
- Request reply – Include a reply request if you want the recipient of your message to reply.
- Status request – Check if a message has been delivered.

To set a default message option

1. Scroll to *Messages*, **YES**, *Options*, **YES**, *SMS*, **YES**.
2. Select a message option, **YES**.
3. Select an option, **YES**.

To turn set on send on or off

- Repeat steps 1 and 2 above, then select *Set on send*, **YES**.

To check the status of a sent message

1. Scroll to *Messages*, **YES**, *SMS*, **YES**, *Sent items*, **YES**, select a text message, **YES**.
2. Scroll to *Proceed?*, **YES**. Select *View status*, **YES**.

Draft for Commercial Use
Ericsson Mobile Communications AB

Area information

Area information is a type of text message that is sent to all subscribers in a certain network area, for example, a local traffic report. When you receive an area information message, the message automatically appears in the display. You cannot save area messages. Please consult your service provider for more information about area information codes.

- To turn area information on or off, scroll to *Messages*/*Options*/*SMS*/*Area info*/*Reception*.
- To enter an area information code, scroll to *Messages*/*Options*/*SMS*/*Area info*/*Edit list*/*Add new?*.

Cell information

The cell information channel is used by some network operators to send messages to their subscribers within a certain network area.

- To turn on the channel, scroll to *Messages*/*Options*/*SMS*/*Cell information*.

E-mail

You can use your phone to send and receive e-mail messages. Please note that you need a subscription that supports data transmission. For more information, consult your service provider.

Before you start

First make sure that you have:

- Set up a data account. See “Data account settings” on page 42.
- Set up and select an e-mail account. See “E-mail account settings” on page 46.

Sending and receiving e-mail messages

The *Send & receive* option offers the fastest way to send e-mail messages saved in the *Outbox* and check for new e-mail messages.

To write and send an e-mail message

1. Scroll to *Messages*, **YES**, *E-mail*, **YES**, *Compose*, **YES**.
2. Select:
   - *To:* – then add name, enter an e-mail address, or retrieve an e-mail address from the phone book. You can also retrieve a saved address from received messages in your inbox.
   - *Cc:* – If you want to send a copy of the message to someone.
   - *Priority:* – Set the message priority.
   - *Subject:* – Write a title, **YES**.
   - *Text:* – Write your message, **YES**.
3. Select one of the following:

Ericsson Not for Commercial Use Ericsson Mobile Communications AB

- *Send now* – The e-mail message is sent.
- *Send now with attachment* – You can attach a picture from a digital camera connected via IR. Select a picture and press **YES** to send.
- *Save to outbox* – The e-mail message is saved in the *Outbox*.
- *Save to drafts?* – The e-mail message is saved in *Drafts*.

Messages that you write but do not send or save in the *Outbox* are automatically saved in the *Drafts* folder.

To receive and read e-mail messages

1. Scroll to *Messages*, **YES**, *E-mail*, **YES**, *Send & receive*, **YES**.
2. When the e-mail messages have been downloaded to the phone, go to the *Inbox* in the *E-mail* menu, to read them.

Note: *The phone can save up to six complete e-mail messages. All e-mail messages are also saved on your e-mail server.*

An arrow in the top or bottom left corner indicates that there are more messages on the server. To retrieve more messages, scroll to the arrow and press **YES**.

To reply to an e-mail message

1. Open the e-mail message.
2. Place the cursor in the text and press .
3. Select *Reply* or *Reply all*, **YES**.
4. Select *Write new* or *Include this msg*, press **YES**.
5. Write a message, **YES**.

To save an e-mail address or a phone number

1. When the e-mail address or phone number is highlighted, press **YES**.
2. Select *Save*, **YES**.

Archiving

You can archive an e-mail message in order to read it later, or if you want to save important information. You can archive only as much text as the display shows.

To archive an e-mail message

1. Open the e-mail message.
2. Make sure that the text you want to archive is visible in the display.
3. Place the cursor in the text and press .
4. Select *Copy to arch.*, **YES**. The text can be found in *Archive* under the *E-mail* menu.

Not for Commercial Use
Ericsson Mobile Communications AB

Using mobile Internet

Your phone has a WAP (Wireless Application Protocol) browser and e-mail messaging which are designed to bring a modified Internet to your mobile phone. A wide range of services are available, for example, news, entertainment, timetables, reservations, banking, e-commerce, positioning and e-mail.

Before you start

First make sure that you have:

- A phone subscription that supports data transmission.
- Correct settings in your phone for mobile Internet, WAP and/or e-mail messaging. See “Setting up mobile Internet” on page 41.

Note: *See “E-mail account settings” on page 46 or “E-mail” on page 51 for more information about e-mail set-up and messaging.*

Using the WAP browser

To start browsing

1. First select the WAP profile you want to use. Scroll to *WAP services*, YES, *Select profile*, YES.
2. Press NO to go back to *WAP services.*
3. Then select one of the following:

- Open your homepage (Ericsson Mobile Internet is default).
- Go to one of your bookmarks. Select *Bookmarks*, YES.
- Enter the address of a WAP site. Select *Enter address*, YES, *New address?* to enter a new WAP address or select one of the 10 latest entered addresses.

Tip: *When you enter a WAP address, the normal* ***http://*** *prefix is not needed. You do however need to enter a prefix to use protocol, such as https://.*

To exit WAP

- Press and hold NO. *Remain connected?* appears. Press NO.
- If you want to leave the browser temporarily but stay on-line, press (Menu) and select *Go to menu.*

Not for Commercial Use
Ericsson Mobile Communications AB

Options when browsing

When you have started browsing, you can reach different browsing options by pressing (☰).

The options menu is dynamic. Its content may vary depending on which WAP site you are visiting.

The options menu always contains the following:

- Go to the homepage set for the current WAP profile.
- *Bookmarks* – Add the site you are currently browsing to your list of bookmarks, or see the list of bookmarks for the current profile.
- *Enter address* – Enter the WAP address of a site you want to visit.
- *Send SMS* – Send a text message with a link to the current WAP page to another phone.
- *Reload* – Refresh the contents of the WAP page.
- *Go to menu* – go back to the WAP services menu in order to access other phone menus. The connection to the Internet is not interrupted. When you want to start browsing again, scroll to *WAP services*, **YES**, *Resume*, **YES**
- *Exit* – Close down the WAP connection.
- *Status* – Display the current status, for example, how long you have been browsing.
- *New homepg* – Set the current site as the homepage of the WAP profile you are using.

Using bookmarks

You use bookmarks in your mobile phone just as you do with a PC Internet browser. You can have up to a maximum of 25 bookmarks.

To work with bookmarks

1. Scroll to *WAP services*, **YES**, *Bookmarks*, **YES**.
2. Select the bookmark you want to work with, **YES**
3. Select one of the following options and press **YES**:
   - *Go to bookmark* – Go to the marked WAP site.
   - *Edit bookmark* – Edit the name and/or the WAP address of the bookmark. See “Options when browsing” on page 54 for more information.
   - *Delete* – Delete the bookmark.
   - *Send SMS* – This creates a text message in which the WAP address is sent as a link.

WAP push messages

You can receive push messages via WAP Services. This means that a service provider sends WAP content to your phone without you having to do anything. You can, for example, get updated news or new WAP settings from your service provider.

Ericsson Mobile Communications AB
For Internal Use

There are two kinds of push messages:

- Text messages that inform you about WAP services, by sending a link. To go to the WAP service, click the link.
- Updated information from a WAP service is sent to appear in the WAP browser.

Receiving a push message

You can set your phone to either accept or reject push messages. This is valid for all your WAP profiles.

To set push message acceptance

1. Scroll to *WAP services*, **YES**, *WAP settings*, **YES**, *Common*, **YES**, *Push access*, **YES**.
2. Select one of the following settings:
   - *On* – You allow push messages to be automatically loaded.
   - *Off* – You do not allow push messages.

When you receive a push message, it comes to the *Push inbox* where you can respond to it.

To respond to a push message

- Scroll to *WAP services*, **YES**, *Push inbox*, **YES** and select one of the following:
  - *Load* – The browser starts and loads the WAP site so that you can see the push content.
  - *Delete* – Deletes the push message.
  - *Postpone* – Save the message, to be loaded later.

Clearing Cache

You can clear the cache memory which contains previously visited WAP pages. You may, for example, want to clear the information on your transactions.

To clear the cache memory

1. Scroll to *WAP services*, **YES**, *Clear cache*, **YES**.
2. *Empty cache?* appears. Press **YES**.

Ericsson Mobile Communications AB Not for Commercial Use

Transferring and exchanging information

Bluetooth™ wireless technology

Your phone has built-in *Bluetooth* wireless technology which makes it possible for you to connect your phone wirelessly to other *Bluetooth* devices such as a headset, PC or digital camera. You can, for example, have a conversation via a cordless *Bluetooth* headset or browse the Internet, wirelessly connected via a mobile phone. You can automatically synchronize information in your phone and your PC. You can also exchange, for example, business cards, calendar items and pictures.

Note: *We recommend that your phone and the Bluetooth device you are communicating with are within a range of 10 metres. The connection may be improved if there are no solid objects in between your phone and the other Bluetooth device.*

Before you start

To communicate with another *Bluetooth* device, you first need to pair your phone with the device – you do this by adding the device to a list of paired devices in your phone. To synchronize with your PC, and to browse the Internet, you also need to download and install software from the Ericsson Consumer web site www.ericsson.com/consumers. You can exchange items or play games without having to pair your phone with the other device.

Pairing

Pairing is the process of associating *Bluetooth* devices with each other so that they can connect when they are within range of each other. Your phone can be paired with up to 10 *Bluetooth* devices. After pairing, the operation mode of your phone is automatically set to *On*. See “Operation modes” on page 57.

To initiate pairing with a device

1. Scroll to *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**, *Add device*, **YES**, *Phone initiates*, **YES**.
   A list of device types that can be paired with your phone is shown. Scroll to a device type and press **YES**.

Sony Ericsson Mobile Communications AB
Ericsson for Consumer Use Only

2. The phone searches for *Bluetooth* devices. A list of available devices of the type you selected then appears in the display. Select a device, **YES**.
3. Enter a passkey (up to 16 digits) for the device, both in the phone and, for example, in the PC. (If a passkey does not come with the *Bluetooth* device when you buy it, you need to create one yourself.)
4. When the pairing has been completed, you can edit the name tag for the device and press **YES**.

To accept pairing with a device

- Scroll to *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**, *Add device*, **YES**, *Phone accepts*, **YES** and wait for the other device.

To organize your list of paired devices

1. Scroll to *Connect*, **YES**, *Bluetooth*, **YES**, *Paired devices*, **YES**. Then:
   - To edit the name tag of a device: scroll to the device you want to edit, **YES**, scroll to *Edit*, **YES**. Then edit the name tag, **YES**.
   - To delete a device from the list: scroll to the device and press C, **YES**.
   - To change the order of the devices: scroll to the device whose position you want to change, **YES**. Select *Edit order*, **YES**. Then enter the position number (2 - 20) you want for the device (position 1 is always for the headset).

Phone name

You can choose a name for your phone. This name is shown in other devices when your phone is discovered, and is also used for the infrared port.

- To enter a name, scroll to *Connect*/*Phone name*/*Edit*.

Operation modes

The following operation modes are available:

- *Off* – the phone cannot send or receive any information.
- *Automatic* – the *Bluetooth* function is turned on automatically when you start sending information such as a business card or when you answer or make a call via the *Bluetooth* headset.
- *On* – the *Bluetooth* function is activated all the time (until you change the mode). The phone can send and receive information to and from a paired *Bluetooth* device.
- *Discoverable* – the phone can always receive information from any *Bluetooth* device.

Not for Commercial Use
Ericsson Mobile Communications AB

Note: *In countries where the use of Bluetooth wireless technology is not allowed, you must ensure that the Bluetooth function is set to Off.*
The Discoverable and On modes reduce the standby time and talk time.

- To change the operation mode, scroll to *Connect*/*Bluetooth*/*Operation mode*.

In order for your phone to be detected by other *Bluetooth* devices, to receive information or to accept pairing, you must make your phone discoverable.

To make the phone discoverable

- Scroll to *Connect*, YES, *Bluetooth*, YES, *Discoverable*, YES. Your phone is discoverable for three minutes.

Searching for devices

You can search for *Bluetooth* devices and then, for example, pair the device with your phone.

- To search for devices, scroll to *Connect*/*Bluetooth*/*Discover*.

Sending and receiving

To send an item using *Bluetooth* wireless technology, you need to make sure that the devices are within 10 meters range of each other and that the operation mode is set to *Automatic* or *On*.

To send an item

- After you select *Bluetooth* as the transfer method, the phone searches for devices. A list of devices appears. Select the device you want to send the item to and press YES.

Tip: *You can send certain items in your phone (calendar overviews, appointments and tasks, business cards, text messages) to specific Bluetooth printers.* Select the relevant printer in the list of devices.

To receive an item

To be able to receive an item, do one of the following:

- scroll to the *Receive* menu and press YES.
  For example, to receive a calendar appointment, scroll to *Organizer*, YES, *Calendar*, YES, *Receive*, YES.
- set the phone to *Discoverable* mode.

Ericsson Mobile Communications AB
Not for Commercial Use

Light signals

- Steady blue light – the *Bluetooth* function is on and the phone is charging.
- Blue light flashing slowly – the *Bluetooth* function is on but no GSM network is within range.
- Blue light flashing rapidly – the *Bluetooth* function is on and you are receiving an item or a pairing request.
- Green and blue light alternating slowly – the *Bluetooth* function is on and a GSM network is within range.

Infrared port

You can use the built-in infrared modem to establish contact between your phone and a PC or another device equipped with an infrared port.

Activate the infrared port

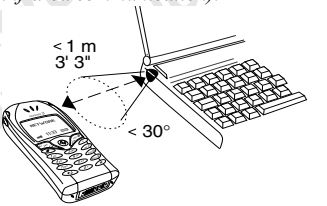
Before you can connect to another infrared device you have to activate the infrared port in your phone.

- To activate the infrared port, scroll to *Connect*/*Infrared port*. Select *10 minutes* if you want the port to be turned off 10 minutes after the last data transmission, in order to preserve battery life.

To connect two devices

1. Place your phone as in the picture. The infrared port on the phone must face the infrared port on the other device.

   Note: *If you are connecting to a PC, make sure your PC has activated infrared communication (Start/ Settings/Control Panel/Infrared/Options tab/Enable infrared communication).*



2. Your phone now establishes contact with the other device.

Synchronization

You can synchronize the calendar and phone book in your phone with similar programs in, for example, a

Ericsson Not for Commercial Use
Mobile Communications AB

PC, PDA or mobile phone and with similar programs on the Internet.

Synchronization with nearby devices

After installing the synchronization program from the Ericsson Consumer web site, www.ericsson.com/consumers, you can synchronize your phone with your PC. You can start the synchronization from your phone or from the PC. If you use a cable, the synchronization starts as soon as you connect the cable.

To start the synchronization

1. Scroll to *Connect*, **YES**, *Synchronization*, **YES**, *Synchronize*, **YES**.
2. Select a synchronization method, **YES**.
   - *Use IR* – for infrared communication.
   - *Use Bluetooth* – for communication via *Bluetooth* wireless technology. Select a device to synchronize with from a list of paired devices and press **YES**. See "Pairing" on page 56.
   - *Use WAP* – See "Internet synchronization" on page 60.

Internet synchronization

You can synchronize the calendar and contacts in your phone with similar programs on the Internet, using WAP. Contact your network operator for more information about these programs on the Internet and to receive user id, password and addresses for the different programs. You must also have a WAP profile set in your mobile phone. See "WAP profile settings" on page 44.

To enter the WAP synchronization settings

1. Scroll to *Connect*, **YES**, *Synchronization*, **YES**, *Server settings*, **YES**.
2. Select *WAP profile*, **YES**. In the list of WAP profiles, select the one you want to use for synchronization.
3. Select *Server user id*, **YES**. Enter your user id for the Internet calendar and phone book.
4. Select *Server pwd*, **YES**. Enter your password for the Internet calendar and phone book.
5. Select *Server URL*, **YES**. Enter the Internet address of the Internet calendar and phone book.
6. Select *Calendar path*, **YES**. Enter the Internet address, user id and password for your calendar on the Internet.

Ericsson Mobile Communications AB
Not for Commercial Use

7. Select *Phonebook path*, YES. Enter the Internet address, user id and password for your phone book on the Internet.

Synchronization sound

The phone can make a sound when a synchronization is completed or when a synchronization is initiated from another device.

- To turn the synchronization sound on, scroll to *Connect*/*Synchronization*/*Sound*.

Fax and data calls

Send fax and data calls

To send fax and data calls you need to connect your phone to a computer, and then start the appropriate software program.

Receive fax and data calls

The procedure of receiving fax and data calls depends on your network and subscription. If you have separate numbers for voice, fax and data calls, your phone will recognize the type of call.

To receive a fax or data call (separate numbers)

1. Connect your phone to a computer.

2. Answer the call from within the software program (if it does not answer automatically).
You cannot answer a fax or data call by pressing the YES key on the phone.

One number

If you have a SIM card that does not support separate fax and data numbers, the phone does not recognize the type of incoming call.

If you want to receive a fax or data call, you have to set the phone to one of these options. Once you have set your phone for a specific incoming call, it stays like this until you change it.

- To select the call type you want your next incoming call to be, scroll to *Calls*/*Next call*/*Next incoming*.

Not for Commercial Use
Ericsson Mobile Communications AB

More features

Alarm clock

The alarm can be set to ring at a specific time within 24 hours, or recurrently at a specific time on several days. You can have both these alarms set at the same time. Even if you have set your phone to silent, the alarm and timer signals ring.

To set an alarm

1. Scroll to *Organizer*, YES, *Alarms*, YES, *Alarm*, YES.
2. Enter the time, YES.

- To change the alarm time, scroll to *Organizer*/*Alarms*/*Alarm*/*New time*.
- Press any key to turn the alarm signal off when it rings. If you do not want the alarm to be repeated, press YES.
- To cancel the alarm, scroll to *Organizer*/*Alarms*/*Alarm*/*Cancel*.
- To set a recurrent alarm, scroll to *Organizer*/*Alarms*/*Recurrent alarm*. Then enter the time and select the days that you want the alarm to recur by scrolling and pressing (*◊). Press YES to exit the menu.
- To select an alarm signal, scroll to *Settings*/*Sounds & alerts*/*Alarm signal*.

Stopwatch

Scroll to *Organizer*, YES, *Stopwatch*, YES.

- To start, stop or re-start the stopwatch, press YES.
- To save up to nine lap times, press (#).
- To check saved lap times, scroll using the joystick.
- To reset the stopwatch, press (C).

Note: *The stopwatch is turned off when you answer an incoming call or when you exit the stopwatch menu.*

Timer

The phone has a built-in 24-hour timer.

- To set the timer, scroll to *Organizer*/*Timer*. When the signal rings, press any key to turn it off.

Calculator

The phone has a built-in calculator, which can add, subtract, divide and multiply.

- Press (#) to get +, -, **x**, /.
- Press (C) to delete the figure.
- Press (*◊) to enter a decimal point.

Code memo

Instead of having to remember all the different security codes for credit cards, for example, you can save them

Not for Commercial Use
Sagem Mobile Communications AB

in the code memo in your phone. Then all you need to remember is the password to open the code memo. You can save a maximum of 10 codes in the code memo.

Checkword and security

To confirm that you have entered the correct password for the code memo and to prevent unauthorized access to your codes, you must enter a checkword. When you enter your password to open the code memo, the checkword is shown for a short time. If the password is correct, the correct codes are shown. If you enter the incorrect password, the checkword and the codes that are shown are also incorrect.

Factors strengthening the security of the Code memo function are:

- You get no feedback about whether the password is correct, except for the checkword, and only you know the checkword.
- All codes are encrypted in the mobile phone.
- When you access your codes, they are shown for a limited time only.

To open code memo for the first time

1. Scroll to *Organizer*, **YES**, *Code memo*, **YES**.
   A message with instructions appears.
2. Press **YES**.
3. Enter a four-digit password to open Code memo, **YES**.
4. Re-enter the new password to confirm.
5. Enter a checkword (maximum 15 characters), **YES**.
   The checkword can consist of both letters and numbers. To enter a number, press and hold the key.

To add a new code

1. Scroll to *Organizer*, **YES**, *Code memo*, **YES**.
2. Enter your password.
3. Select *Add new code?*, **YES**.
4. Enter a name associated with the code, for example, the name of the credit card company, **YES**.
5. Enter the code, **YES**.

To open code memo

1. Scroll to *Organizer*, **YES**, *Code memo*, **YES**.
2. Enter your password, **YES**.
   Your entered checkword appears. When the decryption process has finished, your codes are shown.

To change the password

1. Open code memo as described above.
2. Scroll to *Options*, **YES**, *Chg password*, **YES**.
3. Enter your new password, **YES**.

Ericsson Mobile Communications AB Not for Commercial Use

4. Re-enter the new password, YES.
5. Enter a checkword, YES.

Forgot your password?

If you forget your password, just enter any password to access the Code memo function. The checkword and codes that are then shown are incorrect. You must now reset the Code memo.

To reset code memo

1. Scroll to *Options*, YES, *Reset*, YES.
2. *Reset code memo?* appears. Press YES.
   The Code memo is reset and all entries are cleared. The next time you enter the Code memo, you must start at "To open code memo for the first time" on page 63.

Calendar

You can use the calendar to keep track of important meetings that you need to attend, phone calls that you need to make or tasks that you need to do.

Appointments and tasks

You can save up to 300 appointments and 80 tasks in your calendars, depending on the size of each item. You can choose to add a new appointment or task, or to use an old appointment or task as a template by copying and editing it.

To add a new appointment

1. Scroll to *Organizer*, YES, *Calendar*, YES, *Add appointm.*, YES.
2. Enter the appropriate information, for example, subject, location, icon and times. Confirm each entry with YES.
3. If you want to set a reminder for your appointment, select a reminder, YES.
4. A list of options appears.
   If the appointment is recurrent:
   - Select *Recurrent app.* and press YES.
     Select the recurrence you want and press YES.
5. Confirm with *Save and close*, YES.

To add a new task

1. Scroll to *Organizer*, YES, *Calendar*, YES, *Tasks*, YES.
2. Select a category, YES.
   - If the category is a phone call, enter the phone number, YES.
3. Enter a subject, YES.
4. Enter a description, YES.

Ericsson Mobile Communications AB Not for commercial use

5. If you want to set a reminder for your appointment, select a reminder, YES. Confirm with *Save and close*, YES.

Viewing your calendar

To view your calendar content, scroll to *Organizer*, YES, *Calendar*, YES and then select one of the following:

- *View today* – All appointments for today as well as incomplete tasks are shown.
- *View all tasks* – This shows all your entered tasks. Scroll to the task you want to view and press YES. Press YES again to see options for the task.
- *View month* – Move within and among the weeks by moving the joystick. Press YES to view a certain day. Days on which you have appointments are marked in bold.
- *View week* – Move within and among the days by moving the joystick. Press YES to view a certain day.

Tip: *In the monthly and weekly views, you can go to next week by pressing 3, to next month by pressing 6 and to next year by pressing 9. You can go back a week, a month or a year by pressing 1, 4, and 7 respectively. To reach the current day, press C.*

Calendar settings

- Select *Options* from the *Organizer*/*Calendar* menu and then select one of the options:
  - *Status* – Use this to check when you last synchronized your calendar, how much space is left for new appointments and tasks.
  - *Class view* – You can choose whether to see only the private calendar entries, only the public ones or both.
  - *Reminders* – Select *Always* if you want the reminder to sound even though the phone is turned off.
  - *Profile switch* – If you want the phone to remind you to switch profile when a meeting is about to start, select *On*.
  - *Delete all* – Deletes all appointments and tasks in the calendar.

Check the status

You can check when you last synchronized your calendar or how much space is left for new appointments and tasks

- To check the status, scroll to *Organizer*/*Calendar*/*Options*/*Status*.

Draft for Commercial Use
Sony Ericsson Mobile Communications AB

Tip: *To delete all appointments and tasks in your calendar, select Delete all in the Options menu.*

Exchanging calendar entries

You can send and receive appointments and tasks using *Bluetooth* wireless technology or the infrared port.

To send an appointment or a task

1. In the list of appointments and tasks for a certain day, scroll to the item you want to send and press .
2. Scroll to *Send*, YES.
3. Select a transfer method, YES.
   If you use infrared make sure that the infrared ports are facing each other.

To receive an appointment or a task

1. Scroll to *Organizer*, YES, *Calendar*, YES, *Receive*, YES.
2. Press YES to save the appointment or task in the calendar. If your calendar is full, you must remove calendar items before you can save any new ones.

Voice memo

With the Voice memo function, you can record either your own memos or calls. The recording is terminated if any party hangs up.

The recordings are saved in your mobile phone and can be accessed even if you change your SIM card.

Note: *In some countries or states it is required by law that you inform the other person before recording the call.*

To start a voice memo

- Scroll to *Organizer*, YES, *Voice memo*, YES, *Record*, YES. Wait until you hear a tone. When the recording starts, the display shows *Recording* together with the time left to record.

To end the recording

- Press NO.

Tip: *You can start recording or listening to recordings with a voice command. See "Voice control" on page 29.*

The recording stops automatically if you receive an incoming call or when the call ends. You hear a tone a few seconds before the sound memory is full.

Sony Ericsson Mobile Communications AB
Not for Commercial Use

Listening to recordings

You can listen to your recordings at any time, except during a call.

To listen to your recordings

1. Scroll to *Organizer*, **YES**, *Voice memo*, **YES**.
2. Scroll to the recording you wish to hear, **YES**
3. If you want to:
   - Pause, press **YES**. Press **YES** again to play.
   - Go to next or previous: move the joystick up or down, respectively.
   - Go fast forward or rewind: move and hold the joystick right or left, respectively.
4. Press **NO** to stop playback.

To erase or rename a voice memo

1. Scroll to *Organizer*, **YES**, *Voice memo*, **YES**.
2. Press down to scroll to the recording you wish to erase or rename.
3. Press (📷) when the recording is highlighted.
4. Select *Erase* or *Rename*, **YES**.

To erase all recordings

- Proceed as above, but select *Erase all* instead of *Erase*.

Settings

You can choose to show the date and time or length of the recording, or both.

To set the view of your recordings

1. Scroll to *Organizer*, **YES**, *Voice memo*, **YES**, *Set view*, **YES**.
2. Select *Date, Time* or *Length*, or all, **YES**.

Games

Your phone has several games. You can play some of the games with another person, both using your phone, or you can play on two phones, using *Bluetooth* wireless technology or IR. Help texts are available in each game.

To start a game

1. Scroll to *Fun & Games*, **YES**, *Games*, **YES**.
2. Select a game, **YES**.
3. Select *New game* or *Resume game*, **YES**.
4. Start the game.

Not for Commercial Use
Ericsson Mobile Communications AB

How to control the games:

Use the joystick to move up, down, left or right and to select an item, or use the keys as follows:

2 = up	8 = down
4 = left	6 = right
C = pause	5 = select/deselect
NO = save and quit	YES = confirm

Erix

The aim of *Erix* is to black out the display, without being hit by a ball.

GAME

The aim of *GAME* is to shoot the alien invaders before they kidnap and kill all humans on the planet. You control a fighter craft equipped with a gun and smart bombs.

* = fire smart bombs
5 = fire gun

Q

The aim of *Q* is to get all the coloured balls through their portals. The red ball goes into the red portal and so on.

= undo
* = reset

Ripple

The aim of *Ripple* is to turn as many pieces as possible into your colour. Black always begins the game.

Solitaire

The aim of all the *Solitaire* games is to form four piles of cards, one per suit, running from ace to king.

* = select card, confirm move
0 = deal from deck
# = put card on foundation pile
7 = view current pile
9 = access deck

Tetris®

The aim of *Tetris* is to prevent the blocks from reaching the top of the playing board. Each time you fill a line, that line disappears.

7 and 9 = rotate

Tetris®; © Elorg 1987. Classic Tetris™; © Elorg 1998 Tetris Logo by Roger Dean; ©The Tetris Company 1997 All Rights Reserved

Not for Commercial Use
Ericsson Mobile Communications AB

Security

SIM card lock

The SIM card lock protects your subscription, but not your phone itself, from unauthorized use. If you change SIM cards, the phone still works with the new SIM card.

Most SIM cards are locked at the time of purchase. If the SIM card lock is on, you have to enter a "PIN" (Personal Identity Number) every time you turn on your phone.

If you enter your PIN incorrectly three times in a row, the SIM card is blocked. This is indicated by the message *PIN blocked*. To unblock it you need to enter your "PUK" (Personal Unblocking Key). Your PIN and PUK are supplied by your operator.

To unblock your SIM card

1. *PIN blocked* appears in the display.
2. Enter your PUK and press **YES**.
3. Enter a new four- to eight-digit PIN and press **YES**.
4. Re-enter the new PIN to confirm and press **YES**.

- To edit your PIN, scroll to *Settings*/*Locks*/*SIM lock*/*Change PIN*.

Note: *If the message "Codes do not match" appears, you entered the new PIN incorrectly. If the message "Wrong PIN" appears, followed by "Old PIN:", you entered your old PIN incorrectly.*

- To edit your PIN2, scroll to *Settings*/*Locks*/*SIM lock*/*Change PIN2*.

To turn the SIM card lock on or off

1. Scroll to *Settings*, **YES**, *Locks*, **YES**, *SIM lock*, **YES**, *Protection*, **YES**.
2. Select *On* or *Off*, and press **YES**.
3. Enter your PIN and press **YES**.

Phone lock

The phone lock protects the phone against unauthorized use if it is stolen and the SIM card is exchanged. It is not on when you buy the phone. You can change the phone lock code (0000) to any four- to eight-digit personal code. The phone lock can be set to on, automatic or off.

Ericsson Mobile Communications AB
Not for commercial use

Phone lock on

If the phone lock is on, the message *Phone locked* appears each time you turn on the phone. You have to enter your code followed by **YES** to use your phone.

Automatic

If the phone lock is set to automatic, you do not need to enter your phone lock code until a different SIM card is inserted in the phone.

- To edit your phone lock code, scroll to *Settings*/*Locks*/*Phone lock*/*Change code*.

Note: *It is important that you remember your new code. If you should forget it, you have to hand in your phone to your local Ericsson retailer.*

To set the phone lock

1. Scroll to *Settings*, **YES**, *Locks*, **YES**, *Phone lock*, **YES**, *Protection*, **YES**.
2. Select an alternative and press **YES**.
3. Enter the phone lock code and press **YES**.

Troubleshooting

This chapter lists some problems that you might encounter while using your phone. Some problems require that you call your service provider, but most of the problems you can easily correct yourself.

The phone cannot be switched on

Hand-held phone

Recharge or replace the battery. See “SIM card and battery information” on page 4.

No indication of charging

When you start charging a battery that is empty or a battery that has not been used for a long time, it may take up to 30 minutes before the battery icon appears in the display.

Menu language

If the display shows a language that you do not understand, you can always choose Automatic (determined by your SIM card) by pressing ⬅ 8888 ➡ in standby. You can always choose English by pressing ⬅ 0000 ➡ in standby.

Not for commercial use
Ericsson Mobile Communications AB

Grey menu options

Grey text indicates a function that is temporarily unavailable, for example due to your subscription or due to a certain setting which has not been turned on.

Error messages

Insert SIM

There is no SIM card in the phone or you may have inserted it incorrectly. Insert a SIM card. See “SIM card and battery information” on page 4.

Insert correct SIM card

The phone is set to work only with certain SIM cards. Insert the correct SIM card.

SOS calls only

You are within range of a network, but you are not allowed to use it. However, in an emergency, some operators allow you to call the international emergency number 112. See “Making emergency calls” on page 24.

No network

There is no network within range or the received signal is too weak. You have to move to get a signal that is strong enough.

Wrong PIN/Wrong PIN2

You have entered your PIN or PIN2 incorrectly.

- Enter the correct PIN or PIN2, and press **YES**. See “SIM card lock” on page 69.

Codes do not match

When you want to change a security code (for example your PIN) you have to confirm the new code by entering it again. The two codes that you have entered do not match. See “SIM card lock” on page 69.

PIN blocked/PIN2 blocked

You have entered your PIN or PIN2 incorrectly three times in a row. To unblock, see “SIM card lock” on page 69.

PUK blocked – contact operator

You entered your personal unblocking key code (PUK) incorrectly 10 times in a row. Contact your network operator or service provider.

Not for Commercial Use
Ericsson Mobile Communications AB

Phone locked
The phone is locked. To unlock the phone, see “Phone lock” on page 69.

Phone lock code:
Your phone comes with the phone lock code, 0000. You can change it to any four- to eight-digit code. See “Phone lock” on page 69.

Number not permitted
The Fixed Dialling function is on and the number you have dialled is not on your fixed numbers list. See “Fixed dialling” on page 38.

Charging, alien battery
The battery you are using is not an Ericsson-approved battery and is charging slowly for safety reasons.

Additional information

Ericsson Consumer web site
On www.ericsson.com/consumers you will find a support section where help and tips are only a few clicks away. Here you find the latest software updates, tips on how to use your product more efficiently, function guides for some of the products and additional help when you require it.

Ericsson Mobile Communications AB
Not for Commercial Use

Guidelines for Safe and Efficient Use

Please read this information before using your mobile phone.

Your mobile phone is a highly sophisticated electronic device. To get the most out of your mobile phone, please read this text about product care, and safe and efficient use.

PRODUCT CARE

- **Do not** expose your product to liquid or moisture or to humidity.
- **Do not** expose your product to extreme high or low temperatures.
- **Do not** expose your product to lit candles, cigarettes, or cigars, or to open flames etc.
- **Do not** drop, throw or try to bend the product as rough treatment could damage it.
- **Do not** paint your product as the paint could obstruct the earpiece, microphone or any moveable parts and prevent normal use.
- **Do not** attempt to disassemble your product. The product does not contain consumer serviceable components. Only Ericsson Service Partners should perform service.
- **Do not** use any accessories other than Ericsson originals. Use of non-Ericsson original accessories may result in loss of performance, damage to the product, fire, electric shock or injury. The warranty does not cover product failures which have been caused by use of non-Ericsson original accessories.
- **Treat your product with care, keep it in a clean and dust-free place**.

ANTENNA CARE

- To avoid impaired performance, please ensure that your mobile phone's antenna is not damaged.
- Do not remove the antenna yourself. If your mobile phone's antenna is damaged, please take it to an Ericsson Service Partner.
- Only use an Ericsson original antenna that has been specifically designed for your mobile phone. Use of unauthorised antennas, modifications, or attachments could damage the mobile phone and may violate the appropriate regulations, causing loss of performance and SAR levels above the recommended limits (see below).

EFFICIENT USE

For optimum performance with minimum power consumption please:

- Hold the mobile phone as you would any other telephone. While speaking directly into the mouthpiece, angle the antenna in a direction up and over your shoulder.
- Do not touch the antenna when the mobile phone is in use. Touching the antenna affects call quality, may cause the mobile phone to operate at a higher power level than needed and may shorten talk and standby times.

Not for Commercial Use
Ericsson Mobile Communications AB

- If your mobile phone is equipped with an infrared eye, never direct the infrared ray at anyone's eye and make sure that it does not disturb any other infrared units.

RADIO FREQUENCY (RF) EXPOSURE AND SAR

Your mobile phone is a low-power radio transmitter and receiver. When it is turned on, it emits low levels of radio frequency energy (also known as radio waves or radio frequency fields).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations*, e.g. ICNIRP (International Commission on Non-Ionizing Radiation Protection), through periodic and thorough evaluation of scientific studies. These guidelines establish permitted levels of radio wave exposure for the general population. All Ericsson mobile phone models are designed to operate within these stringent levels. The levels include a safety margin designed to assure the safety of all persons, regardless of age and health, and to account for any variations in measurements.

Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a mobile phone. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level of the phone while operating can be well below this value.

This is because the phone is designed to use the minimum power required to reach the network. Therefore, the closer you are to a base station, the more likely it is that the actual SAR level will decrease.

Variations in SAR below the radio frequency exposure guidelines do not mean that there are variations in safety. While there may be differences in SAR levels among mobile phone models, all mobile phone models must be designed to meet radio frequency exposure guidelines.

More information on radio frequency exposure and SAR can be found on: www.ericsson.com/health.

* Examples of radio-frequency exposure guidelines and standards that Ericsson mobile phone models are designed to conform to:

- International Commission on Non-Ionizing Radiation Protection (ICNIRP), "Guidelines for limiting exposure to time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz)", Health Physics, vol. 74, pp 494-522, April 1998.
- 99/519/EC, "Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)", Official Journal of the European Communities, 1999.
- IEEE C95.1-1991, "Safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz", The Institute of Electrical and Electronics Engineers Inc. (IEEE).

Ericsson Consumer Products
Company Confidential

- FCC Report and Order, ET Docket 93-62, FCC 96-326, Federal Communications Commission (FCC), August 1996.
- Radiocommunications (Electromagnetic Radiation Human Exposure) Standard 1999, Australian Communications Authority (ACA), May 1999.

DRIVING

Please check if local laws and regulations, in the country/state where you are driving, restrict the use of mobile phones while driving. Law in many countries/states requires drivers to use a Vehicle or Portable Hands Free solution. If so, it is recommended that you use Ericsson Portable Hands Free solutions only with this Ericsson mobile phone model.

Ericsson is concerned about your safety. Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

RF energy may affect some electronic systems in motor vehicles such as car stereo, safety equipment etc. In addition, some vehicle manufacturers do not allow use of mobile phones in their vehicles, unless a hands free kit with an external antenna supports the installation. Check with your vehicle manufacturer's representative to be sure that your mobile phone will not affect the electronic systems in your vehicle.

Vehicles Equipped with an Air Bag

An air bag inflates with great force. Do not place objects, including either installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

ELECTRONIC DEVICES

Most modern electronic equipment, for example equipment in hospitals and cars, is shielded from RF energy. However, certain electronic equipment is not, therefore:

- Do not use your mobile phone near medical equipment without requesting permission.

Mobile phones may affect the operation of some implanted cardiac pacemakers and other medically implanted equipment. Pacemaker patients should be aware that the use of a mobile phone very close to a pacemaker might cause the device to malfunction. Avoid placing the mobile phone over the pacemaker, e.g. in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. If a minimum distance of 15 cm (6'' inches) is kept between the mobile phone and the pacemaker, the risk of interference is limited. If you have any reason to suspect that interference is taking place, immediately turn off your

Ericsson Confidential
Limited Commercial Use
Public Communications

mobile phone. Contact your cardiologist for more information.

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy.

Turn your mobile phone off in any facility where posted notices so require.

AIRCRAFT

- Turn off your mobile phone before boarding any aircraft.
- To prevent interference with communication systems, you must not use your mobile phone while the plane is in the air.
- Do not use it on the ground without permission from the crew.

EXPLOSIVE ATMOSPHERES

Turn off your mobile phone when in any area with a potentially explosive atmosphere. It is rare, but your mobile phone or its accessories could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fuelling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

Do not transport or store flammable gas, liquid, or explosives in the same compartment of your vehicle that contains your mobile phone and accessories.

POWER SUPPLY

- Connect the AC power adapter only to designated power sources as marked on the product.
- To reduce risk of damage to the electric cord, remove it from the outlet by holding onto the AC adapter rather than the cord.
- Make sure the cord is positioned so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it.
- The AC power adapter must not be used outdoors or in damp areas.
- DANGER - Never alter the AC cord or plug. If the plug will not fit into the outlet, have a proper outlet installed by a qualified electrician. Improper connection can result in risk of electric chock.

CHILDREN

DO NOT ALLOW CHILDREN TO PLAY WITH YOUR MOBILE PHONE OR ITS ACCESSORIES. THEY COULD HURT THEMSELVES OR OTHERS, OR COULD ACCIDENTALLY DAMAGE THE MOBILE PHONE OR ACCESSORY. YOUR MOBILE PHONE OR ITS ACCESSORY MAY CONTAIN SMALL PARTS THAT

Export Version for Commercial Use
Sony Ericsson Mobile Communications AB

COULD BE DETACHED AND CREATE A CHOKING HAZARD.

DISPOSING OF THE PRODUCT

The product should never be placed in municipal waste. Please check local regulations for disposal of electronic products.

EMERGENCY CALLS

IMPORTANT!

This mobile phone, like any mobile phone, operates using radio signals, cellular and landline networks as well as user-programmed functions, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any mobile phone for essential communications (e.g. medical emergencies).

Remember, in order to make or receive calls, the mobile phone must be switched on and in a service area with adequate cellular signal strength. Emergency calls may not be possible on all cellular phone networks or when certain network services and/or mobile phone features are in use. Check with your local service provider.

BATTERY INFORMATION

CHARGING THE BATTERY

The battery delivered with your phone is not fully charged. We recommend that you charge the battery for 4 hours before you use the phone for the first time.

The battery can only be charged in temperatures between +5°C (+41°F) and +45°C (+113°F).

BATTERY USE AND CARE

A rechargeable battery has a long service life if treated properly. A new battery or one that has not been used for a long time could have reduced capacity the first few times it is used.

- The talk and standby times depend on the actual transmission conditions when using the phone. If the phone is used near a base station, less power is required and talk and standby times are prolonged.
- Use only Ericsson original batteries and chargers. Using other batteries and chargers could be dangerous, and the warranty does not cover product failures which have been caused by use of non-Ericsson original batteries and chargers.
- Do not expose the battery to extreme temperatures, never above +60°C (+140°F). For maximum battery capacity, use the battery in room temperature. If the battery is used in low temperatures, the battery capacity will be reduced.
- Turn off your phone before removing the battery.
- Use the battery for the intended purpose only.
- Do not attempt to take the battery apart.
- Do not let the metal contacts on the battery touch another metal object. This could short-circuit and damage the battery.

Sony Ericsson Confidential
Sony Ericsson Mobile Communications AB

- Do not expose the battery to open flames. This could cause the battery to explode.
- Do not expose the battery to liquid.
- Do not allow the battery to be put into the mouth. Battery electrolytes may be toxic if swallowed.

DISPOSING OF THE BATTERY

The battery should never be placed in municipal waste. Please check local regulations for disposal of batteries.

Limited Warranty

Thank you for purchasing this Ericsson Product. To get maximum use of your new Product, we recommend that you follow a few simple steps:

- Read the Guidelines for Safe and Efficient Use.
- Read all the terms and conditions of your Ericsson Warranty.
- Save your original receipt. You will need it for warranty repair claims. Should your Ericsson Product need warranty service, please return it to the dealer from whom it was purchased, or contact your local Ericsson Certified Call Center or visit www.ericsson.com/consumers to get further information.

OUR WARRANTY

Ericsson Mobile Communications AB, Torshamnsgatan 27, 164 80 Stockholm, Sweden, warrants this Product to be free from defects in material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year.

Any Ericsson accessory is covered by a warranty period of one (1) year from the date of its original purchase by a consumer in accordance with the applicable terms and conditions stipulated herein.

WHAT WE WILL DO

If, during the warranty period, this Product fails to operate under normal use and service, due to improper materials or workmanship, Ericsson subsidiaries, authorised distributors or Ericsson Service Partners will, at their option, either repair or replace the Product in accordance with the terms and conditions stipulated herein.

CONDITIONS

1. The warranty is valid only if the original receipt issued to the original purchaser by the dealer, specifying the date of purchase and serial number, is presented with the Product to be repaired or replaced. Ericsson reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the Product from the dealer.
2. If Ericsson repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. Repair or replacement may involve the use of functionally

Ericsson for Commercial Use
Mobile Communications

equivalent reconditioned units. Replaced faulty parts or components will become the property of Ericsson.

3. This warranty does not cover any failure of the Product due to normal wear and tear, or due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with Ericsson's instructions for use and maintenance of the Product. Nor does this warranty cover any failure of the Product due to accident, modification or adjustment, acts of God, improper ventilation or damages resulting from liquid.
4. This warranty does not cover Product failures due to improper repair installations, modifications or service performed by a non-Ericsson Service Partner or opening of the Product by non-Ericsson certified persons.
5. The warranty does not cover Product failures which have been caused by use of non-Ericsson original accessories.
6. Tampering with any of the seals on the Product will void the warranty.
7. THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL ERICSSON BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Some countries/states do not allow the exclusion or limitation of incidental or consequential damage, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you.

The warranty provided does not affect the consumer's statutory rights under applicable national legislation in force, nor the consumer's rights against the dealer arising from their sales/ purchase contract.

INTERNATIONAL SERVICE

You can have your Ericsson Product serviced within the warranty period in any country where an **identical** Product is sold by an authorised Ericsson distributor. To find out if your Product is sold in the country you are in, please call the Ericsson Certified Call Center. In order to be granted service, you have to present your original receipt specifying the date of purchase and serial number. Please observe that certain services may not be possible elsewhere than in the country of original purchase, for example due to the fact that your Ericsson Product may have an interior or exterior which is different from equivalent models sold in other countries. It may not be possible to repair SIM-locked Products.

Sony Ericsson Confidential
Public Communication Part AB

Declaration of Conformity

We, **Ericsson Mobile Communications AB** of
Torshamnsgatan 27
S-164 80 Stockholm, Sweden

declare under our sole responsibility that our product

Ericsson type 113 0201-BV

and in combination with our accessories, to which this declaration relates is in conformity with the appropriate standards 3GPP TS 51.010-1, EN 301489-7, EN 300328, EN 300826 and EN 60950, following the provisions of, Radio Equipment and Telecommunication Terminal Equipment directive **99/5/EC** with requirements covering EMC directive **89/336/EEC**, and Low Voltage directive **73/23/EEC**.

Stockholm, June 2001
Place & date of issue

CE 0682 !

Anders Torstensson, Vice President Product Development

We fulfil the requirements of the R&TTE Directive (**99/5/EC**).

FCC Statement

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (i.e. at the ear and worn on the body) as required by the FCC for each model. Body worn measurements are made while the phone is in use and worn on the body with an Ericsson accessory. The design and composition of an accessory can affect the body worn SAR (Specific Absorption Rate) levels for the phone. Ericsson has not measured, and makes no representation about, the body worn SAR levels when the phone is used with non-Ericsson accessories.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Ericsson Mobile Communications AB
Not for commercial use
Mobile Communications AB

Icons

The table below shows icons which may appear in standby or in the menus.

Icon	Description
	Your personal phone book.
	Handling of text and voice messages.
	Handling of call time, call cost information and ongoing calls.
	Handling of pictures, sounds and themes. Play games.
	Personal settings, profiles, divert calls, networks and voice control.
	Gives you access to WAP services on the Internet.
	Calendar, notes, alarm clock and other extras.
	Bluetooth function, synchronization, infrared port.
	A selection of your most frequently used functions.
	Help text.

Icon	Description
	Tells you the strength of the GSM network signal.
	GPRS is within range.
	GPRS is within range and can be used.
	You cannot receive any incoming calls.
	Tells you the status of the battery.
	You have missed an incoming call.
	All incoming calls are diverted to a defined number. No calls or only certain calls from numbers in a list are received.
	The ring signal is turned off.
	All signals are turned off, except the alarm and timer.
	The alarm clock has been set and is on.
	You have received a text message.
	You have received a voice message.

Not for Commercial Use
Ericsson Mobile Communications AB

Icon	Description
	You have received an e-mail message.
	You have received a WAP push message.
	The *Bluetooth* function is on.
	The *Bluetooth* function is in discoverable mode.
	Bluetooth communication is in progress.
	The infrared port is on.
	Infrared communication is in progress.
	Line 1 is in use for outgoing calls.
	Line 2 is in use for outgoing calls.
	Ciphering is currently not being provided by the network.
	The keypad is locked.
	The card lock or phone lock is on. A secure WAP connection is established.
	An ongoing call.

Icon	Description
	A missed call in the call list.
	An answered call in the call list.
	A dialled number in the call list.
	A group of contacts in the phone book.
	A text message has not been read.
	A text message is saved on the SIM card.
	Melody inserted in a message.
	A voice message has not been checked.
	You can enter the phone book by pressing ←.
	A home number in the phone book.
	A work number in the phone book.
	A mobile number in the phone book.
	A fax number in the phone book.
	Another number in the phone book.

Not for Commercial Use
Ericsson Mobile Communications AB

Icon	Description
	An e-mail address in the phone book.
	A voice command has been recorded for a contact name.
	You have recorded a sound.
	An e-mail message has not been read.
	An e-mail message has been read.
	Only part of an e-mail message is saved in the phone.
	An e-mail message, not read, will be deleted the next time you connect to the server.
	A *Bluetooth* headset, not paired with your phone.
	A *Bluetooth* headset, paired with your phone.
	A *Bluetooth* phone, paired with your phone.
	A *Bluetooth* PC, paired with your phone.
	A *Bluetooth* printer, paired with your phone.
	A *Bluetooth* PDA, paired with your phone.

Icon	Description
	Other *Bluetooth* device.
	The appointment is a meeting.
	The appointment is a date.
	The appointment is to travel.
	The appointment is a vacation.
	The appointment is an anniversary.
	A miscellaneous appointment.
	An all day calendar appointment.
	A recurrent calendar appointment.
	A reminder is set for a calendar appointment.
	The task is a phone call.
	A miscellaneous task.
	A completed task in your calendar.
	A task of high priority.

Not for Commercial Use
Ericsson Mobile Communications AB

Icon	Description
	A task of low priority.
	The network is preferred and can be used.
	The network is forbidden and cannot be used.
	Your home network is within range and can be used.
	Message with high priority.
	Message with low priority.
	Pre-defined text message template.
	User-defined text message template.

Not for Commercial Use
Ericsson Mobile Communications AB

Index

A
Alarm clock 62
Answering mode 21
Area information 51
Assembling the phone 3

B
Battery 4
Bluetooth wireless technology 56
  discoverable mode 58
  light signals 59
  operation modes 57
  pairing 56
  receive an item 58
  searching 58
  send an item 58
Business cards 27

C
Calculator 62
Calendar 64
  add a task 64
  add an appointment 64
  exchanging entries 66
  settings 65
  status 65
  view 65
Call costs 33
  calling card 37
  credit limit 34
  minute minder 20
Call time 33
Calling 23
  automatic re-dialling 24
  call list 25
  fixed dialling 38
  groups 27
  speed dialling 28
Calls
  accept 39
  answer 24
  divert 34
  emergency 24
  international 24
  missed 25
  put on hold 35
  reject 24
  restrict 38
Cell information 51
Charging 4
Code memo 62
  add new code 63
  checkword and security 63
  password 63
  reset 64
Conference calls 36
  add new participants 36
  end 36
  join two calls 36
  release a participant 36
Contacts
  add 25
  call 25
  copy 28
  edit 26
  send 27

D
Data calls 61
Data counters 44
Declaration of conformity 80
Display
  greeting 21
  help texts 9
  light 20

Not for Commercial Use
Ericsson Mobile Communications AB

own greeting 21
Display icons 81
Diverting calls 34

E
E-mail 51
archiving 52
read 52
reply 52
send 51
write 51
Emergency calls 24
Entering letters
multitap text input 12
T9 text input 14
Ericsson Consumer web site 72
Error messages 71

F
Fax, sending and receiving 61
Fixed dialling 38

G
Games 67
Greeting 21
Groups 27
closed user groups 39
conference calls 36

H
Handsfree 21
Help texts 9

I
Icons in display 81
Infrared port 59
activating 59
connect two devices 59
International calls 24
International emergency number 24

K
Key functions 6
Key sound 20
Keypad lock 21
automatic 22
manual 22

L
Language in display 20
Light 20
Light signals 59
Locks
keypad 21
phone 69
SIM card 69

M
Magic word 31
Making calls 5, 23
Melodies, see Ring signals 18
Menu language 20
Menu overview 11
Message options 50
Missed calls 25
Mobile Internet 53
bookmarks 54
browsing 53
options 54
push messages 54
Mobile Internet settings 41
e-mail account 46
GPRS data 42
GSM data 43
locks 46
manual set up 42
preferred mode 43
receiving in a text message 41
security 45

Ericsson Mobile Communications AB
Not for Commercial Use

WAP profile 44
My shortcuts 22

N
Networks 40

O
Online services 10

P
Passkey 57
Pause 8
Personal ring signal 19
Phone book 25
  memory 28
Phone lock 69
  activating/cancelling 70
  changing the security code 70
Pictures 16
  background picture 17
  edit 16
  exchanging 17
PIN
  changing 69
PIN2
  changing 69
Profiles 22
  automatic activation 23
  selecting 22
PUK 69

Q
Quick keys 7

R
Reset 15
Ring signal
  personal 19
Ring signals 18
  increasing 19
  increasing ring 19
  key sound 20
  personal 19
  turn off 19

S
Settings
  profiles 22
Shortcuts 7, 9, 22
Silent ring signal 19
SIM card 4, 10
  copy contacts 28
  unblocking 69
SIM card lock 69
  activating/cancelling 69
Sound recorder
  end 66
  listen 67
  settings 67
  start 66
Speed dialling 28
Stopwatch 62
Synchronization 59
  Internet synchronization 60
  sound 61
  start 60

T
T9 Text Input 14
Text messages 48
  format text 49
  insert object 48
  read 49
  save 49
  send 48
  templates 50
  write 48
Themes 15
Time settings 20
  advanced settings 21

Not for Commercial Use
Ericsson Mobile Communications AB

set date 20
set time 20
Timer 62
Turn the phone on/off
animation 5
greeting 5
networks 5
PIN 5
Two voice lines 36

V

Vibrating alert 20
Voice answering 30
Voice control 29
answering 30
before voice dialling 29
changing profiles 31
dialling 30
editing voice commands 32
magic word 31
recording voice memos 31
reject 30
tips 30, 32
Voice dialling 30
Voice mail 33
Voice memo 66

W

WAP, see Mobile Internet 53
Warranty 78

Not for Commercial Use
Ericsson Mobile Communications AB